

The
HEMIST AND DRUGGIST
or RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3 2 6 7
XXXVIII

SEPTEMBER 19, 1942

Annual Subscription (with
Diary) 25/- Single Copies 9d.

INTERESTING
EVENTS

IN PHARMACY
No. 15



W^m HENRY PERKIN

1838 - 1907

THE FATHER OF MODERN CHEMICAL INDUSTRY

By an unusual combination of scientific perspicacity and business shrewdness he created an industry which developed into gigantic proportions. Perkin discovered and marketed the first aniline colour (Mauve 1856). He retired early and indulged his intellectual tastes for music, art and research

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Established 1741. & COMPANY LIMITED, LONDON. E.6



adapted themselves to the new world of synthetic chemicals and continue to watch the horizon for all modern developments



EUTHYMOL

and the Pharmacist



Chemists perform a vital National service. They comprise a highly important part of the machinery for maintaining the nation's health: the medical profession unhesitatingly relies upon them to dispense prescriptions accurately. They are authorities on toilet preparations as well as drugs, and their opinion is always worth attention. For over forty years they have been recommending

Euthymol
TOOTH PASTE

The letters M.P.S. stand for "Member of the Pharmaceutical Society" and signify at the holder is a registered, qualified chemist. The important place occupied by the pharmacist in the maintenance of health. Your pharmacist is the one to whom you should turn for advice on all matters connected with the health of your family.

your
regis-
trant

Advertisements such as these are now appearing in well-known periodicals. In view of the Memorandum to the Beveridge Committee, they should be helpful in stimulating a wider appreciation of the services that pharmacists are rendering to the community

Parke, Davis & Co.
50 Beak St. W. I.

Milton' Bulletin No. 7

CONTROL OF PACKAGING (NO. 1) ORDER 1942

The effect of this Order on our various products is as follows:—

Milton Antiseptic. Two sizes only may now be sold. We have decided to discontinue the 1s. 4d. and 3s. 4d. sizes. Existing stocks of these sizes may be sold and are expected to last until the end of this month. From October 1st only the 8d. and 1s. 11½d. sizes will be available.

Milton Denture Powder. Two sizes only may now be sold. The 7½d. size has been discontinued and no more supplies are available. The 1s. 3d. and 2s. 2d. sizes will continue to be available in rationed quantities owing to shortage of raw materials. The Order requires the dispatch of Milton Denture Powder in cases containing not less than 3 dozen. Existing stocks of cases for 2½ doz. 1s. 3d. and 1 doz. 2s. 2d. enable us to offer in those unit packs for the next rationing period, but eventually the minimum case available will contain 3 dozen.

Milton Dental Cream. The 7½d. size is discontinued, but the 1s. 3d. size continues to be available. The minimum case permitted by the Order holds 3 dozen, but supplies will be available for some months of existing cases holding 2 dozen.

Milton Ointment. The 7d. size is discontinued. The 1s. 1½d. size is still available.

ORDER YOUR MILTON DENTURE POWDER NOW

For the November–March period chemists purchasing £2 bonus parcels of 'Milton' products may order 2½ dozen 1s. 3d. size and, if desired, 1 dozen 2s. 2d. size. Those purchasing £5 parcels may order 5 dozen 1s. 3d. size and 1, 2 or 3 dozen 2s. 2d. size. Orders, which should be marked "M.D.P. Ration," should be received by us before September 30, and will be executed in rotation as soon as possible after November 1. Post your order now. Mixed Bonus orders for immediate delivery should not include Milton Denture Powder.

Please return wooden and fibre board cases for credit quickly. Thank you!

Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks

UNIQUE APPARATUS establishes supremacy of NEW CREAM FIXATIVE FOR DENTURES

FIXATIVE USED	HOLDING TIME RATIO
Dentessive Cream Fixative	640
Powder Type Fixative D	215
Powder Type Fixative C	170
Powder Type Fixative B	100
Powder Type Fixative A	100

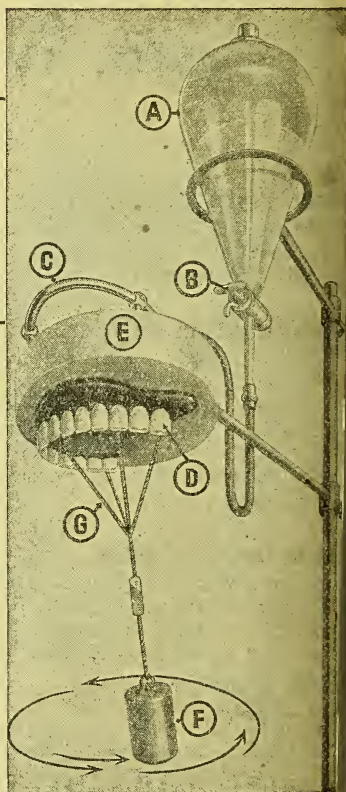
Dentessive Cream held the weighted denture in place nearly three times as long as the most effective powder type preparation.

This device was evolved to determine the comparative adhesive strength of Dentessive Cream fixative with other well-known fixatives. While not completely duplicating mouth conditions, it provides reasonably realistic conditions which can be duplicated for each test.

A cast made to simulate the supporting jaw was so mounted that *the only support between denture and cast was the adhesive under test.* A weight of over a pound hung from the denture was swung throughout each test to simulate stress and torsion of mastication. The action of mouth fluids was simulated by bathing assembly in artificial saliva at a constant rate of flow.

Specimens of adhesives used were each applied to the denture exactly as directed in the manufacturer's printed instructions accompanying each fixative. Each fixative was used in turn as the *sole support* of the weighted denture. Duration of retention was measured from time denture was put in place until it pulled loose from cast. Tests were repeated many times and the order in which the fixatives were used was changed for each series of tests. The average of all tests on each adhesive was taken as the measure of holding time for that product. These averages, expressed as a holding time ratio, are shown in the table above and demonstrate the vastly superior adhesive strength of Dentessive.

DON S. MOMAND LTD., 10/15, CHITTY STREET,
LONDON, W.1 Sole Distributors for Dentessive Ltd.



KEY TO "SWINGING WEIGHT"
TESTING APPARATUS

- A Container holding artificial saliva.
- B Regulating cock controlling flow of saliva
- C Feed line ensuring equal distribution of artificial saliva.
- D Position of Denture during tests.
- E Cast to simulate supporting jaw.
- F Swinging weight to create stress and torsion of mastication.
- G "Drag lines" insuring equal distribution of weight pull on seated denture.

THE
BIOLOGICAL EVANS INSTITUTE



Sterile Solutions

INSPECTION OF FINISHED AMPOULES

EVANS SONS, LESCHER & WEBB LTD.

E.T.48

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CHEMIST...



IN our press advertisements we advise women to ask their chemist for a copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendells Products.

Why not write us today for a supply of Booklets and our latest Chemist Display Aid?

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PRODUCTS

FOR FEMININE HYGIENE

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(A Safe, Soluble Hypnotic)

MEDINAL owes its undoubted advantage to ready solubility in water; hence it is easily absorbed and speedily excreted. Thus its effect is prompt, and elimination is complete. Sleep comes easily and the patient awakes fresh and alert. MEDINAL acts solely on the central nervous system and does not affect the cardiovascular, renal, alimentary or respiratory systems. It can therefore be safely used either orally or rectally for insomnia from any cause.

MEDINAL

Soluble Barbitone

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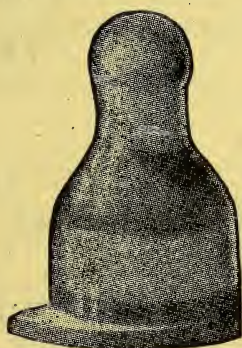
The "MODERN" TEAT

ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

Ball Top, one-hole perforation, ensuring constant and steady flow.

Buffer shoulder protects baby's mouth.

Tab enables teat to be slipped over bottle in an instant with minimum handling.



● General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.

● Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.

● Will stand Repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated.

NEAREST TO NATURAL FEEDING

"MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

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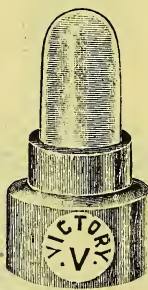


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Owing to the shortage of cardboard railway containers we have been compelled to make the return of these

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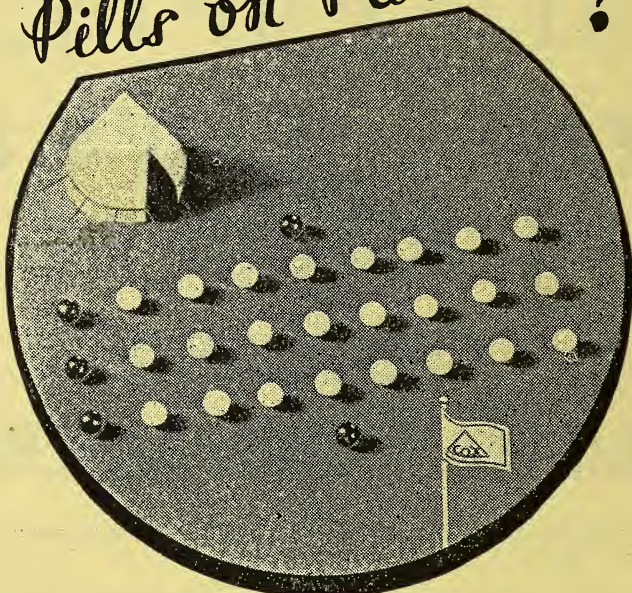
We have introduced the following system so that the containers can be returned with the minimum trouble to you and ourselves, and feel sure we can count upon your co-operation in this important matter.

1. All cardboard railway containers to be carefully folded flat and securely tied together with string. (No paper wrapping needed.) Where necessary, container flaps should be tucked in to keep size of parcel within postal regulations, and smaller containers always packed inside the larger ones.
2. For return of containers, please use the addressed labels you receive with the invoices.
3. Cost of postage must be entered in the space provided on the Postal Receipt portion of the label, which also must be date-stamped by the Post Office.
4. The postage paid will be refunded on surrender of this receipt to our representative when he calls. This receipt cannot be accepted for direct credit and must not be deducted from your account.

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PLEASE PUSH THIS NEW BIG SIZE**

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What a pity such a movement could not be started to look after the nation's feet! Where foot care is concerned, the majority of people live mentally in the Dark Ages. Complaints and even deformities go unattended until the sufferer is almost incapacitated. When at last advice is sought, as often as not the feet are in such a bad condition that there is nothing for it but to apply artificial supports.

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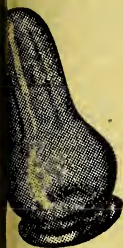
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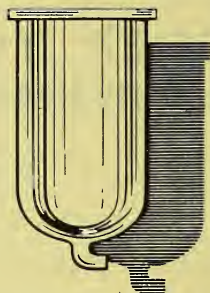
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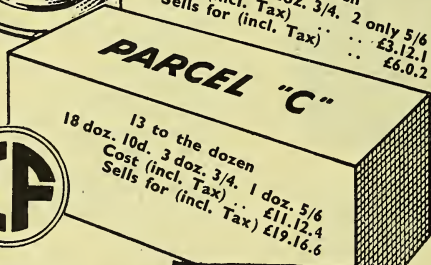
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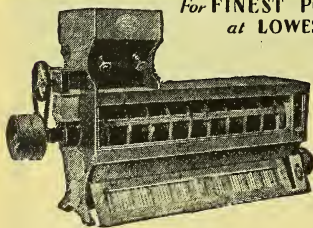


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NEWS OF THE WEEK

Nottingham Women Pharmacists.—Speaking at Nottingham, on September 8, "Women Pharmacists and the War," Mrs. Jean K. Irvine (a member of the Pharmaceutical Society's Council) emphasized to the local branch of the National Association of Women Pharmacists the danger of war-time dilution of pharmaceutical staffs by untrained or partly trained persons. Some amount of dilution, she said, was necessary, but pharmacists must guard against possible injury to the public, to the craft, and to the future of the profession if half-trained persons were allowed to handle drugs and medicines. Women pharmacists of all ages were reserved, and those newly-qualified who, because of their age, were liable to conscription, would be allowed to remain in civilian pharmacy provided they obtained posts within a reasonable time of qualifying.

Nursing as Closed Profession.—A Nursing Reconstruction Committee set up by the Royal College of Nursing, under the chairmanship of Lord Horder, has made a recom-

mendation to the Ministry of Health that nursing should be made a closed profession, only State-registered nurses, State-controlled assistant nurses and trainees being allowed to nurse for gain. To put assistant nurses on a proper footing the committee recommends for them a two-year training, compared with the four-year training of State-registered nurses. The training would be taken chiefly in hospitals for the chronic sick, with some additional experience in fever, mental or tuberculosis hospitals. The committee urges the obligatory inspection of nursing homes, including homes for the aged. It recommends legislation making it an offence for nurses' co-operations and agencies, which should be registered and inspected, to supply unregistered nurses.

A.T.S. Chiropodists.—Arrangements have been made by which women chiropodists up to forty-three years of age (fifty for ex-Service women) may enrol with the Associated Territorial Services and be posted, after a month's training, to groups or training centres. The pay will be 3s. 4d. per day.

Inquest.—An inquest was held on September 15 on two patients who died in Walton, Liverpool, hospital, after receiving injections of Neptal instead of Stovaine. On behalf of the makers, Pharmaceutical Specialities (May & Baker), Ltd., it was stated that of the four ampoules returned by the hospital two were found to contain Neptal solution. The company was unable to explain how the mixing of the ampoules occurred. The coroner recorded verdicts of "misadventure."

Buyers' Association Scottish Campaign.—The Buyers' Association of Great Britain is making a special appeal to Scottish buyers and under-buyers to consider joining the association. A meeting is being held at the Drapers' Association, 206 Sauchiehall Street, Glasgow, at 6.30 p.m. on September 21, when representative members of the Buyers' Association will be present to discuss the aims and objects of the organisation.

Rose-hip Syrup Instead of Ice Cream.—A factory which has hitherto been used for the manufacture of ice cream in Airdrie has been taken over as a collection-centre for the rose-hips to be gathered in Scotland this season. Giving this news at a Press conference in Edinburgh recently, Mr. C. S. Blake (secretary to the National Scottish Rose-hip Collection Centre) said that the collection of hips, which was being undertaken with the assistance of the Women's Voluntary Services and Women's Rural Institutes, would be continued after the war. The Scottish crop, he remarked, contained from four to five times more vitamin C than that collected in any other part of the country. Payment at the rate of two shillings a stone is being made for the hips.

Glasgow Clearing-centre for Bottles?—The suggestion that chemists and druggists in Glasgow should organise a bottle-clearing centre has been made by a salvage authority in Scotland, following unsuccessful efforts to get chemists to accept bottles not originally bought from them. Some indignation has been caused by the refusal. However legitimate the reason for refusal, the trade as a whole has been wrongly described as unhelpful in the conservation of war materials. One Glasgow chemist has explained that most of the leading firms have for many years used only bottles embossed with their own name, and that they show considerable reluctance to accept any but these. Many chemists, on the other hand, are accepting plain bottles, and it would appear that the cause of this mis-

understanding is the reluctance of chemist to take something which belongs to another firm. From the public viewpoint however, it is agreed that no customer will make an effort to discover the origin of the bottles now in his possession, and take the trouble to return them to original suppliers even if he knows where they are. The suggested solution is central depôts in different parts of bigger cities and at one point in small towns.

Eire Examination Entries.—For the October examinations of the Pharmaceutical Society of Ireland the following are the latest dates of entry: Registered Drug examination, September 28; Licence examination, October 1; Assistants' examination, October 12.

Irish Chemists' Golf.—The Irish Chemists' Golfing Society will hold its final outing of the season at Milltown Golf Club on the afternoon of Wednesday, September 19, when competitions will be held for prizes presented by Kodak, Ltd., and Aspro, Ltd. The draws will be held at 2.30 and 3 p.m.

Eire Council Vacancies.—The latest date for receiving nominations to fill the several rotational vacancies on the Council of the Pharmaceutical Society of Ireland is two o'clock on September 21; the last day for posting election papers to the voters is September 26. Counting of the votes takes place on October 5, beginning at noon, and no voting papers will be received after 11 a.m. on that date. The annual meeting of the Society will be held at 8.30 p.m. on October 12, and the latest date for sending in motions for this meeting is September 19.

Eire's Improved Drug Position.—The supply position with regard to drugs and medicinal supplies in Eire generally was described recently by Mr. W. R. Such (chairman of the wholesale section, Irish Drug Association) as satisfactory. "I would say," observed Mr. Such, "that the drug position is much better than it was twelve months ago. Stocks are nearly double what they were then. A supply of powdered glucose has recently arrived from an Irish port from the United States, and supplies of cod liver oil and liquid paraffin are on their way. 'Patents' and certain proprietary lines are, of course, fast disappearing, but substitutes have been found for many of them. One result of the scarcity of 'patents' is a return to prescriptive writing and the wider use of the British Pharmacopœia by medical men. This is a development I think every chemist will welcome."

CANADIAN NEWS

Window Display Award.—At a two-day convention of the Canadian Pharmaceutical Association, held recently, the Association's annual award for the best professional display was presented to Ross Drug United, Ltd., Yarmouth, Nova Scotia.

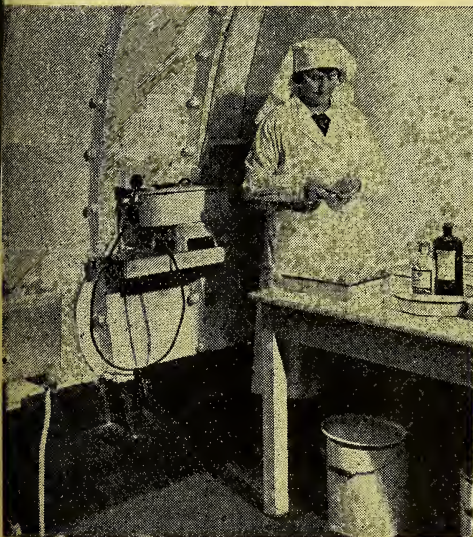
Saccharin Labelling Requirement.—To prevent extensive use of saccharin in Canada as a sugar substitute, all packages containing saccharin or any salt of saccharin must bear the label "Saccharin is not a food. It is a chemical substance without nutritive properties. It should be used in moderation."

Price-stabilisation Subsidies Extended.—New schedules classifying goods eligible and ineligible for subsidies from the Commodity Prices Stabilisation Corporation were announced recently by the War-time Prices and Trade Board. The list of goods eligible for subsidy when the importer has entered into a prior agreement with the corporation has been extended to include, among other items, pharmaceutical preparations. Goods specifically excluded now include soap and olive oil.

Hospital Rubber Economies.—"Doctors and hospitals all over Canada," writes a correspondent, "are today patching rubber gloves which they used to throw away, re-sterilising articles which in pre-war

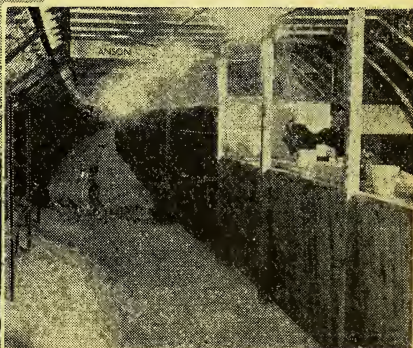
years were used only once, and severely curtailing their use of chemicals and drugs which war has rendered scarce. In part these economies are the results of Government orders, but for the most part they have been effected through voluntary effort, with the Canadian Medical Association taking the lead. Hospital supplies in Canada have been 'rationed' through the Canadian Hospital Council. Medical use of alcohol has also been restricted, and drug dispensaries have adopted a policy of never releasing larger amounts than the minimum required."

Cosmetic Limitations Announced.—The War-time Prices and Trade Board of Canada has ordered nail-polish shades to be reduced from twenty-three to six; lipstick shades from sixteen to four; rouge and face-powder shades to four; perfumes, Colognes, toilet waters, talcum powders and bath dusting-powders to four kinds per manufacturer; and hand and face lotions, hair dressings, oils and tonics to three types. It has prohibited manufacturers from distributing miniature or sample sizes or replacing new cosmetics on the market without permission. Efforts will be made to standardise varieties so that, for example, ten producers of face powders will be able to sell a total of forty different shades between them.



MEDICAL POST IN ONE OF LONDON'S NEW AIR-RAID SHELTERS

Picture on the left shows surgical instruments being cleaned in the medical post of one of the new tube shelters in London. These shelters, four in south London and four north of the Thames, will accommodate 68,000 people and are equipped with bunks, canteens, sick bay and other amenities. A general view of a shelter is shown below.



TOPICAL REFLECTIONS

Wasteful Prescribing

The article entitled "Where We Need Reform" (p. 276) is one of those practical expositions that we have learned to look for in *THE CHEMIST AND DRUGGIST*. The writer has trenchantly set forth a serious weakness of National Health Insurance administration. While the first N.H.I. Act was being shaped in Parliament, some of us foresaw that the habit of wealthy Victorians of sending their chemists routine orders for medicine several times a week was likely to be transferred, *mutatis mutandis*, to the proletariat. This is what has happened. In the three cases cited by your contributor, the medicine ordered was just over 50 per cent. in excess of the prescribed consumption, and this state of affairs is known to have continued for at least fourteen years. In present conditions such wastage is more serious than usual, both on account of the imperative need to conserve stocks of medicaments and because of the shortage of personnel in pharmacies. There is reason to fear that the extravagance deprecated in the article is far from uncommon. According to a homely proverb, a horse may be led to the water but cannot be made to drink. There seems to be no reason, however, why disciplinary action should not be taken against patients who fail to collect their medicine, even if they decide to make the sink its ultimate destination. As for excessive prescribing, machinery for checking it is already in existence. The "permitted charge" for cleaning returned bottles suggested seems practicable and is in any case desirable, for the difference between popular ideas of cleanliness and those accepted at the dispensing counter is wide.

Australian War Pharmacopœia

The news of an Australian War Pharmacopœia (p. 268) bears some relation to the subject discussed in the preceding paragraph. The medical and pharmaceutical professions in that continent are evidently experiencing conditions parallel, though not necessarily similar, to those we have undergone and are undergoing in this country. It appears that in Australia the limitation of formulas at first decided upon allowed of "too little therapeutic latitude and variety." How this difficulty is being met can be seen in your account of the pharmaceutical conference recently held at Melbourne. An important provision is that

of "some elasticity with regard to dosage of basic drugs": one of the chief drawbacks to rigid formulas is, as I mentioned not long ago, that the doses in them must be moved up or down as a whole. The propriety of replacing many commonly used mixtures by tablets or powders is, your report mentions, a debatable point. Experience has convinced me that in view of the very slender acquaintance of the average patient with medicaments, the multiplication of tablets and pills, and some extent of powders, is undesirable. For reasons of safety the remedies introduced into a house should be as different in appearance from each other as possible. Many pharmacists know of serious and even fatal accidents arising from similarity—and not always great similarity—in the appearance of dispensed medicines.

Drugs in Action

This brings me to the question of therapeutic effects that may be expected from war formulas used in substitution for old combinations. A few weeks ago I received a cutting from "The Lancet" containing a pointed criticism by Dr. C. A. Keele of certain prescriptions in the National War Formulary. There is an obvious danger in regarding the human body as a kind of test-tube and in deducing pharmacologic action from chemical reaction *in vitro*. That danger might have been more explicitly stated. Again, when he writes, "I believe that the medical profession generally desires the elimination of the bottle-or-medicine habit," he is expressing a half-truth susceptible of lengthy discussion. I doubt whether he would carry his audience with him in any comprehensive assembly of medical men. When, on the other hand, he writes, "Is there any good controlled empirical evidence that it [mist. creosoti et sodii iodidi] has beneficial therapeutic effects?" he raises a subject of the first importance. Only controlled experiments sufficient in number and duration, can settle such questions in an age of increasing precision in therapeutics. One considerable defect of the N.W.F. was pointed out to me by a medical practitioner the other day: he remarked that a psychological blunder has been made in causing some of the new preparations to differ conspicuously in appearance from those they replace. It appears that the "human" factor has been overlooked or ignored.

Xrayser

LEGAL REPORTS

Cosmetics Quota Exceeded.—At Cheltenham Police Court, on September 15, United Chemists' Association, Ltd., Harold Miller (managing director), George V. Greenwood (director) and Percy J. Radford (secretary) were fined £9,200, £450, £75 and £250 respectively for selling cosmetics, toilet preparations and fancy goods in excess of quota. Charges against two other directors were dismissed, and those against the other were withdrawn. According to the return for the Board of Trade an overdraft of £10,000 at the bank had been wiped out by the end of 1939, a year's quota had been oversold by more than £12,000 and goods to the value of over £7,000 which they were not allowed to sell had been disposed of.

Purchase Tax Prosecutions.—A series of charges under the Finance (No. 2) Act, 1937, for evasion of purchase tax payable to H.M. Commissioners of Customs and Excise, was brought at Dudley Police Court recently against A. E. Cox (Chemists), 514 Stourbridge Road, Dudley, and Herbert Edwin Cox and his wife Theresa Cox (both directors of the company) of the same address. For the prosecution it was stated that one form was sent in on January 18, 1941, and was signed by Mr. Cox. In respect of one of the charges against Mrs. Cox, the return in the next period ended February 28, 1941, was signed by her. The next return, dated on June 30, 1941, was signed by Mr. Cox and the next return for the period ended September 30 was also signed by Mr. Cox. It was those four returns with which they were concerned. In the first return the tax shown as payable was £4 15s. 5d., which was remitted by the company for the period ended September 30. The sum of £70 12s. 5d. was omitted from the return. In the next return the amount of tax shown as payable was £259 16s. 9d. The tax evaded during that period was £18s. 7d. The next return showed tax payable as £1,206 9s., and the amount evaded was £337 9s. 11d. In the next return tax shown as payable was £429 1s. 3d., and the amount evaded was £47 14s. 7d. The return excluded the evasion by the post-orders book. The total of tax payable over a period of twelve months was £2,060, and the tax evaded was £531. In connexion with the post-orders book it had not been possible to allocate to which individual period the amount of tax evaded applied, and the accountant had supplied figures. In addition to £531 there was a further

£534 for the payments of the post-orders book, amounting to £1,064 tax evaded. The defendants had paid the £1,064. The company had three directors, two of them being Mr. and Mrs. Cox. Defendants both took an active part in the business. The dealings were principally in cosmetics and commodities of that nature which had been in short supply and were subject to certain restrictions. For the defendants, it was said that they had been misled by other people. When Mr. Cox found that things were getting out of hand he put a stop to travellers' dealings as soon as he could. The difficulties arose out of these transactions.

A fine of £50 was imposed on the company for failing to keep such full and true accounts of purchasable and chargeable goods as were required by the purchase tax regulations, and £50 each on four other summonses relating to purchase tax. Mr. Cox was fined £100 in connexion with a form dated January 18, 1941. With regard to the return dated June 1941, he was fined £200, and on a third charge relating to a period between July and September 1941 he was fined £100. For making use of an account false in a material particular he was fined £250. Mrs. Cox was fined £100 in connexion with the return dated March, 1941, the company being fined £50 in this case also. On a second charge against her of intent to deceive where she made use of an account false in a material particular she was fined £100 and the company was fined £50.

Location of Retail Businesses Prosecution.

—Amblins Sales Co., Ltd., chemists, 338 Kilburn High Road, London, N.W.6, were summoned at Marylebone Police Court, recently, by the Board of Trade under the Location of Retail Businesses Order, 1941, for carrying on trade in specified goods (drugs, medicines, medical and surgical appliances) at 338 Kilburn High Road, without authority of the Board of Trade. A solicitor for the prosecution said that such trade could not be carried on unless the persons had been trading in those goods between December 1, 1940, and October 23, 1941, or part of that period. On April 7 the company's premises in Kilburn High Road were visited by an inspector of the Board of Trade. The company's lease was shown to have commenced on April 9, 1941, and the first sale appeared to have been made in November 1941. The object of the

Order was to save labour and confined the distribution of the limited supplies to firms already in the business. For the defendants, it was stated that defendants' Harrow Road premises were bombed and they had taken over these premises in Kilburn. The magistrate dismissed the summons. A summons against a director of the company, Archie Gillinson, was also dismissed.

Emergency Ration Tablets.—At Bow Street Police Court, London, on September 14, Allied Laboratories, Ltd., New Bond Street, W., pleaded "not guilty" to publishing a misleading advertisement and giving a false warranty in respect of Etalone. Mr. V. Gattie, prosecuting for the Westminster City Council, said twenty-four tablets cost 8s. 6d. An accompanying pamphlet claimed that six tablets entirely replaced food and drink for four days, describing them as an emergency ration.

Dr. R. E. McCance, Reader in Medicine at Cambridge University, said that the tablets provided a small quantity of food and a microscopic amount of water. On a Saturday, Sunday and Monday in May he tried them, taking little food and eight tablets a day. "By Tuesday," he said, "I had lost a great deal of weight, almost 10 lb. I was becoming obviously a sick man. I felt very tired, and frightfully thirsty."

According to evidence by Mr. F. W. Edwards, public analyst, the food value of the tablets was very low—less than wholemeal flour, dried milk or dried cheese. The hearing was adjourned.

Further Charges Against Directors.—Two further charges were preferred against them when William Henry Johnstone, chemist, and Harry Meyer Levin appeared on remand at Clerkenwell Police Court, London, on September 8 (see *C. & D.*, September 5, p. 245). It was alleged that they fraudulently applied to their own use and benefit sums of £360 and £290 in June 1941. Evidence was given by Louis Woolley, carrying on business at East Castle Street, London, W.1, who said that in May 1941 he had 650 gross of rubber goods for sale. Through the agency of a salesman, he arranged to sell them to A. H. Price (Wholesale Chemists), Ltd., for £1,170. An invoice was made out accordingly, but he subsequently agreed to sell half the amount, for which he was paid £585 in notes. He had not received £1,170, as shown on the invoice now produced in Court, and did not give a receipt for that amount. Harold Bibby, a sales manager,

of Wallington, Surrey, said he was told Woolley that he had a consignment of 650 gross of rubber goods to dispose of. He knew Johnstone and told him about it. Johnstone and Levin agreed to buy the goods, and he handed an invoice to Johnstone. Subsequently, Johnstone told him that he did not want such a large quantity and that he would take half. Woolley spoke to Woolley and obtained an invoice, for half the amount. Christopher Rackett, housekeeper at Ocean House, Great Tower Street, E.C.3, said there was no such firm at Ocean House as William Hawkins. Defendants were again remanded.

Allegations Against Chemist.—At South-western Police Court, London, recently, Bernard Fogelman, M.P.S., Ball's Pond Lane, was among those committed for trial in connexion with the death of Phyllis M. Berry (*C. & D.*, September 12, p. 265).

RECENT WILLS

MR. JOHN EDWARD MONAGHAN, M.P.S., 84 Ritherdon Road, Balham, London S.W., who died on June 21, intestate, £978, with net personalty £402.

MR. FRANK METCALFE, M.P.S., 29 Melville Terrace, Ilkley, formerly of G. Horton, who died on May 8, left estate the gross value of £7,098, with net personalty £7,023.

MRS. ALICE FREKE, M.P.S., 4 Moorfield Lane, Streatham, London, S.W., who died on August 31, 1941, left estate the gross value of £3,390, with net personalty £8.

MR. FREDERICK VENABLES, M.P.S., 10 King Street, Hammersmith, London, W., chemist and photographic dealer, who died on June 26, left £22,051 gross, with net personalty £20,456.

MR. MAURICE SMITH, J.P., Ph.C., Lordswood Road, Harborne, Birmingham, retired manufacturing chemist, formerly director of Cuxson, Gerrard & Co., Ltd., manufacturing chemists, Oldbury, who died on May 11, left £33,478 gross, with net personalty £31,778.

MR. JOHN EXLEY, Ph.C., Farr Road, Burley-in-Wharfedale, Yorks, for many years head of George Exley & Sons, pharmaceutical chemists, Leeds, for over forty years a director of Leeds and Holbeck Building Society, and for many years chairman of Leeds South Market, Ltd., who died on July 10, aged eighty-five, left £21,386 gross, with net personalty £18,000.

TRADE NOTES

Tragacanth Gum.—Samples of gum tragacanth imported direct by N. S. Dangoor, 37-41 Gracechurch Street, London, E.C.3, are available on request.

New Large Size.—With the object of economising in tinplate, Macleans, Ltd., at West Road, Brentford, have introduced a new double-size tin of their solid tiffice. It is available in minimum quantities of two and three dozen and multiples of these quantities.

Packaging Changes.—In compliance with Control of Packaging (No. 1) Order, 1942, Milton Antiseptic, Ltd., Chapel Lane, Uxbridge, High Wycombe, Bucks, have reduced the range of sizes of Milton antiseptic, talc powder, dental cream and ointment. All details, together with information about bonus offers, are given in an advertisement in this issue.

Nupercaine and Nupercainal.—Ciba, Ltd., Basle Laboratories, Horsham, Sussex, inform us that they have adopted the name NUPERCINE instead of Percaine and NUPERCAINAL for Percainal. The new names have been adopted, in spite of the fact that the company's trade mark was registered in 1918, in order to avoid confusion and the possibility of serious accidents resulting from the similarity of the name Percaine to that of Procaine, B.P., 1932.

Synthetic Emulsifying Wax.—In view of the present difficult supply position of emulsifying waxes, many subscribers may be interested in a new synthetic emulsifying wax introduced under the name Emulsin by Watford Chemical Co., Ltd., 10 South Audley Street, London, W.1, for use in cosmetic and pharmaceutical products. Promulsin wax is a pale yellow, neutral material specially designed for producing water-in-oil emulsions. Samples and technical data are available from the makers on request.

Menthol Cones.—M. J. Fecher, Ltd., 492 Epswich Road, Slough Trading Estate, Bucks, have introduced two new series of menthol cones: the Glasepto, with glass cover on resinoid base in two sizes; and the Victory, in polished elm-wood case in three sizes, with "fingertip" pattern, also a polished elm-wood case, in one size. Both the Glasepto and the Victory series are in good supply, but there is a big demand for the "fingertip" model, and a slight delay may occur in delivery. Further details are given on another page.

Business Changes

THE COSMETIC AND TOILET PREPARATIONS ASSOCIATION OF GREAT BRITAIN has opened offices at Eagle House, Jermyn Street, London, S.W.1. Telephone: Abbey 2180. Mrs. L. Warhurst has been appointed secretary, Mr. A. T. Aspin continuing as honorary secretary.

ACME CHEMICAL CO. (ACME (SALES), LTD.) announce that they have decided to transfer the manufacturing side of their business to the works of one of their associated companies, and that their address for all purposes is now Bedford Road, Stanwell, Middlesex, Telephone: Ashford, Middlesex 2281. A well-stocked distribution depôt is being maintained at 33-35 St. Stephen's Street, Tonbridge, Kent.

Proprietary Articles Trade Association

Additions and Alterations to Protected List.
—*Alfred Bishop, Ltd.* Correction: Caffeine hydrobromate, 2s. 9d., 26s., tax 4s. 4d. doz., inclusive retail price 3s. 1d.

Glaxo Laboratories, Ltd. Berin tablets, 1-mgm., 25's, 2s. 6d., 22s. 6d. doz.; 100's, 8s., 72s. doz.; 500's, 36s., 27s. each; 3-mgm., 25's, 3s. 9d., 33s. 9d. doz.; 100's, 12s., 108s. doz.; 500's, 54s., 40s. 6d. each (dispensing pack). Exempt from purchase tax. Berin ampoules, 5-mgm., 6's, 6s. 6d., 58s. 6d. doz., tax 9s. 9d. doz., i.r.p. 7s. 4d.; 12's, 12s., 108s. doz., tax 18s. doz., i.r.p. 13s. 6d.; 50's, 45s., 33s. 9d. each, tax 5s. 8d., i.r.p. 50s. 8d. Berin Forte ampoules, 25-mgm., 3's, 8s., 72s. doz., tax 12s. doz., i.r.p. 9s.; 12's, 27s., 20s. 3d. each, tax 3s. 5d., i.r.p. 30s. 5d.; 50's, 105s., 78s. 9d. each, tax 13s. 2d., i.r.p. 118s. 2d. New prices in operation to retailers since September 1, to public on October 1.

Thomas Harley, Ltd. Rodine products. Retailers will receive bonus of thirteen to doz. on minimum orders of one doz. placed between October 1 and 15 inclusive, provided window or counter display is given. Harley's "three salts." Product will in future be supplied only in 8-oz. tins at 1s. 8d., 15s. doz., tax 2s. 6d. doz., i.r.p. 1s. 10½d. Postage 1s. 1d., charged on orders of one doz. Two doz. at 15s. per doz., cash with order and carriage paid.

Howards & Sons, Ltd. (distributors, *Fassett & Johnson, Ltd.*) Howards' Quinisan tablets, 20's, 2s. 4d., 21s. doz., tax 3s. 6d. doz., i.r.p. 2s. 7½d.; 40's, 4s., 36s. doz., tax 6s. doz., i.r.p. 4s. 6d.; 80's, 7s. 6d., 67s. 6d. doz., tax 11s. 3d. doz., i.r.p. 8s. 5½d. Prices to medical profession, including purchase tax, 27s. 3d., 46s. 9d. and 87s. 9d. doz. respectively.

Roche Products, Ltd. Redoxon vitamin-C tablets, 50-mgm., bottles of twenty, 2s., 16s. doz.; 100, 6s. 6d., 52s. doz.; 25-mgm., bottles

of fifty, 2s. 3d., 18s. doz.; 250, 9s., 72s. doz.; babies' Redoxon tablets, 5-mgm., bottles of fifty, 1s. 3d., 10s. doz.; 500, 6s. 6d., 52s. doz.; Benerva vitamin-B₁ tablets, 1-mgm., bottles of twenty, 2s., 16s. doz.; 100, 8s., 64s. doz.; 3-mgm., bottles of twenty, 3s., 24s. doz.; 100, 12s., 96s. doz.; Benerva compound tablets, bottles of twenty-five, 4s. 6d., 36s. doz.; 100, 16s. 6d., 132s. doz. Exempt from tax. Prices to medical profession: Basic retail less 10 per cent. Prices in operation to trade since September 1, to public and medical profession on October 1.

Splendor, Ltd. Correction: Propax tablets: Manufacturers state that, owing to a misunderstanding on their part, prices published on September 5 were wrong; they should read as follows: Propax tablets, new size, 6d., 4s. 5d. doz., tax 8½d. doz., i.r.p. 6½d.

Veno Drug Co., Ltd. Germolene shaving soap, 9½d., 7s. 6d. doz., tax 2s. 6d. doz., i.r.p. 1s. (Replace shaving soap in bakelite containers.) Prices and terms for Eire: Prices quoted on pp. 206 and 208 of current issue of P.A.T.A. Year Book are strictly net through usual wholesale channels, display discounts of 5 per cent. on £3 orders, plus 2½ per cent. for cash in thirty days, having been withdrawn. Following prices apply to special window-display terms: Combined orders value £5 and upwards may include Phenisc, Eno's Fruit Salt, and Thermogene products, subject to 10 per cent. for window display and further 2½ per cent. discount for monthly settlement. 9d. sizes, 7s. 1d. doz.; 1s. 3d. sizes, 12s. 5d. doz.; 3s. sizes, 29s. 6d. doz.; 12s. sizes, 128s. doz. 6d. size Germolene ointment, 4s. 10d. doz. Distributors in Eire: Proprietaries (Eire), Ltd., 17 Parkgate Street, and R. Mayrs & Co., 114 Grafton Street, Dublin.

COMPANY NEWS

DENTARIA DENTAL SUPPLY, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in dental plant, materials, etc. Robert J. Goodwin, first director. R.O.: 11 Palace Court, London, W.2.

W. J. BISSET (CHEMISTS), LTD. (P.C.).—Capital £500. Retail, wholesale and manufacturing chemists, herbalists, etc. William J. Bisset, M.P.S., and Mrs. Barbara E. Bisset, directors. R.O.: 6 Kenton Park Parade, Kenton, Middlesex.

LEVER BROS. AND UNILEVER, LTD.—Ordinary dividend for 1941 is maintained at 5 per cent., as in 1940. Net profit was £5,835,589, against £6,987,130.

DUFAY-CHROMEX, LTD.—Directors' report for the year ended September 30, 1941, prepared for presentation at the annual meeting of the company on September 17, states that the policy pursued by the directors during the year was to develop

materials evolved to satisfy conditions of war, and to evolve new products; also to maintain production of photographic materials so far as conditions permitted. Research and development work was constantly going on both in regard to colour photography and other products, but private business was limited by the availability of raw materials and the quota allowed under the Limitation of Supplies Act. A proportion of the expenditure might be considered as development work, but the directors had preferred writing off the whole amount, with the result that the accounts showed a loss of £10,558, against £57,327 in the previous year.

THE SOFT DRINKS INDUSTRY PROTECTION ASSOCIATION, LTD.—A general meeting is being held at 17 Throgmorton Avenue, London, at 11 a.m. on October 2, to hear the liquidator's report on the winding-up of the company.

DIVIDEND.—John Edgar Barber, Fernilee, Greenleach Lane, Worsley, Lancaster, in business as an oil, soap and disinfectant manufacturer at Primrose Hill Works, Pendleton, under the style of "Barber's": Dividend 11½d. in the £, payable at 20 Byrom Street, Manchester 3, on September 22.

Private Arrangement.—WILLIAM JENKIN MORGAN, M.P.S., 10 South Parade, Mollison Way, Edgware. A circular issued to creditors by the Association of Manufacturing Chemists states that debtor has executed a deed of assignment to Mr. Parkin S. Booth. Statement of affairs shows liabilities of £906, of which £396 is due to trade creditors; rent amounts to £180, and bank claim totals £331. Assets are estimated to realise £140 10s., but are subject to preferential claims of £50, leaving net assets of £90. Deficiency is put down at £816. Debtor commenced trading in April 1938, acquiring empty premises on a lease at a rental of £200 p.a., rising to £250 p.a. For the year ended April 1939, turnover amounted to £1,350; in the next year it was £1,778. During the twelve months to April 1941 turnover was £1,395, and in the subsequent period to July 4, 1942, it was £268. At the latter date debtor closed the business as he was unable to obtain adequate supplies, and creditors were pressing. Debtor appears not to be in a position to make any offer. Steps are being taken to dispose of stock and fixtures.

NEW PAPER RESTRICTIONS

THE following is a summary of the principal provisions of the Control of Paper (No. 48) Order:—

Newspapers, Periodicals, etc. (Article 1 and Schedule).—The existing prohibition is maintained on the publication of new newspapers, news bulletins, magazines or periodicals and on publishing any of them at more frequent intervals than before August 16, 1940, or if not then published at regular intervals, not more frequently than once a month. A new provision limits the percentage of space that may be devoted to advertising matter in such publications; this gives legal form to restrictions which are already largely in operation. The provision for limiting by direction the amount of paper that may be consumed is also maintained.

Guide Books and Directories (Article 2).—The prohibition on producing county, city, town or other local guide books is extended to cover districts which may be wider than counties. The existing restrictions are maintained on the production of directories, entries in which are made in return for a payment or promise to purchase.

Posters (Article 3).—The following prohibitions are maintained: The printing or making of any poster over 1,200 sq. in. The exhibition of such a poster not produced before November 12, 1941. Affixing similar posters within 100 feet of one another except within or at the entrance to premises where the advertised services are rendered. Exhibiting posters relating to sale of goods except sales by auction where ten are allowed unless the posters were printed before November 12, 1941. Exhibiting posters printed after May 27, 1940, and relating to newspapers, news bulletins, magazines or periodicals.

The following variations have been made: The prohibition on the exhibition of sale of goods posters is extended to the printing or making of such posters. The restrictions on posters apply to advertising window bills, showcards and display cards if produced after the coming into force of the Order. The size of new window bills and showcards is limited to 100 sq. in.

Loose Advertising Matter in Journals (Article 5).—The prohibition on the insertion of loose advertising matter in newspapers, news bulletins, magazines or periodicals is maintained, and the concession allowing such matter printed before

November 12, 1941, to be so inserted will cease on October 31.

Circulars (Articles 6 and 15).—The provisions relating to the distribution of circulars have been modified and are now as follows: All diaries are now included in the definition of advertising circulars. Advertising circulars relating to the sale of goods or to any profession, trade or business may in general only be distributed to persons who prepay at least one penny for each circular.

Circulars printed before November 12, 1941, may, however, be freely distributed up till October 31, 1942. The following circulars may be distributed gratuitously up to three-twentieths of the weight distributed in the corresponding three months of the pre-war year, *viz.*: Sales by auction; letting or sale of land or premises; sale or loan of books, used industrial plant, machinery or equipment; lists of stocks and shares (with or without particulars as to prices, yields, dividends or other information necessary for the proper marketing of such stocks and shares) if distributed by a stockbroker or other dealer in stocks and shares; price lists (with or without specifications) to wholesalers or retailers of the goods advertised therein.

Any of the following circulars may be distributed gratuitously to a person who requests the delivery to him of that circular, *viz.*: Catalogues or specifications relating to industrial, laboratory or agricultural plant or machinery or equipment, insurance particulars, particulars of educational courses, catalogues relating solely to seeds or plants (other than seeds or plants not used in the production of food or feeding stuffs) or to insecticides or fertilisers.

Wrapping and Packing (Article 7).—The prohibition on the provision of paper by a retailer to wrap or pack goods sold by him is modified to the extent that such paper as is reasonable for the protection of the goods or other goods with which they may come in contact may be provided as the sole wrapping or packing of oily, sticky or granular goods, liquids, pastes, powders, crystals or flakes, screws, nails or other similar articles of hardware, surgical instruments, medicines or drugs. This also applies to those foodstuffs which on account of their nature require to be wrapped or packed. Persons other than

retailers who wrap or pack goods (including prepacking for retail distribution) may not use paper for such a purpose unless the goods reasonably require such wrapping or packing. If paper is reasonably required for the protection of the goods the quantity, substance or caliper of the paper used shall not exceed what is reasonably required for the purpose or for the protection of other goods if the goods are sent by post or by other method involving contact with other packages.

Advertising Matter in Packages (Article 8 (1)).—Only necessary instructions for the use of the articles may be inserted in packages, except that a retailer may include any circular which he may be entitled to distribute under Article 6.

Labels (Article 8 (2)).—Labels are allowed in wrapping or packing articles in connexion with their sale or the rendering of a service for remuneration only if: (a) they are necessary for the identification, transport or use of the package; (b) they are not larger than is necessary for the purpose with a maximum of 20 square inches (excluding any part containing necessary instructions for use), and this maximum applies to the aggregate area if more than one label is used; and (c) the matter cannot reasonably be inscribed on the package or the package is intended to be returned. "Label" includes any paper used as a label other than paper necessarily used for the reconditioning of a package. Existing provisions for the use of stocks of labels, labels on cinematograph film containers and bands round metal containers are maintained in Direction No. 2.

Paper Articles (Article 9).—The production from paper or wood pulp of the following articles is prohibited: (a) Serviettes, d'oyleys, handkerchiefs, facial tissues, cleansing tissues, tablecloths, cups, saucers, plates, festoons, decorations, confetti or crackers. Pelmetts have been added. (b) The maximum weight of paper for a calendar has been reduced to 2 oz. (c) Envelopes for gramophone records having a substance greater than 20 in. by 30 in., 40 lb., 480's. (d) and (e) Advertising novelties, counter-display devices or window display devices, in relation to the sale of goods or to any profession, trade or business. In other cases the area must not exceed 100 sq. inches as at present. (g) to (m). Dummy cartons, programmes exceeding 80 sq. in., visiting cards, compliments slips, drip mats, table mats or other table stationery, hair sachets (except from stocks of specially

cut and prepared paper) remain generally as at present. (n) to (u) There are now prohibitions on blotters, including bound sheets interleaved with blotting paper, albums, personal letter pads or sheets exceeding 40 sq. inches, stationery compendiums, playing cards exceeding 8 sq. inches, or 53 in a pack, tie-on or tag labels exceeding 12 sq. inches, crêpe paper for decorative purposes, lace paper. Existing restrictions are maintained on the production for sale of view cards or picture postcards and greeting cards, and to these have been added cards adapted for the display of articles for sale. The affixing of articles for display or sale to cards which were not cut or prepared for the purpose before the coming into force of the Order is prohibited.

Photographs (Article 9 (4)).—The maximum size of portrait photographs is restricted to: 56 sq. inches for one person; 60 sq. inches for up to 60 persons; 120 sq. inches for more than 60 persons, except for panoramic photographs containing more than 100 persons. The maximum size for photograph mounts, except those already specially prepared for a particular size, is limited as follows: Photographs up to 32 sq. inches—the sum of side margins to be not more than 1 inch or the sum of top and bottom margins more than 1½ inches; photographs between 32 and 60 sq. inches—the sum of side or top and bottom margins to be not more than 2 inches; photographs over 60 sq. inches—the sum of side margins to be not more than 2 inches or the sum of top and bottom margins more than 2½ inches.

Letters and Documents (Article 10).—Only such quantity of paper as is reasonably required for the purpose may be used for any document, leaflet, pamphlet, report, letter or memorandum, whether printed, typewritten, written or otherwise made.

General.—Exceptions for the export trade in the previous Orders have been dropped. The restricted provision for the issue of licences in special circumstance (Article 12 (2)) is maintained, and existing licences under the No. 36 Order continue in operation. The definition of paper is extensive and includes paper board, cellulose wadding, cellulose film and other similar materials. The new Order (S. R. & O. No. 1817) and Directions Nos. 1 and 2 came into operation on September 1, 1942. Copies of the Order may be obtained from H.M. Stationery Office, price threepence and Directions, one penny each.

PHARMACEUTICAL SOCIETY of IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on September 8, Mr. P. C. Cahill (president) in the chair. Members of the Council present were Messrs. J. Gleeson, F. J. Fitzpatrick, J. Duggan, T. C. Scott, J. V. McKeever, M. J. Kieran, H. P. Corrigan, C. J. Cremen, P. J. Fielding, A. R. Lester, P. Brooke-Kelly, M. J. Parkes, J. K. Whelehan, J. A. O'Rourke, Sir T. Robinson, and Miss F. M. Flood.

Vote of Sympathy

THE PRESIDENT moved, and MR. GLEESON seconded, "That the Council of the Pharmaceutical Society of Ireland expresses its deepest sympathy with the relatives of their former member of the Council, the late Mr. P. Liston." The motion was passed in silence, all members standing.

Scrutineers Appointed

On the motion of THE PRESIDENT, Mr. Cremen and Mr. Corrigan were appointed scrutineers of the ballot in the event of a contest for the seven seats on the Council which fall vacant in October.

Correspondence

Dr. Frank Kane, examiner in botany and materia medica, wrote: "I regret to have to inform you that owing to my transfer to Cork I can no longer act as examiner to the Society. I accordingly tender my resignation and ask you to transmit it to the president and Council. I wish to thank you for the kindness you have extended to me during my examinership." THE REGISTRAR (Mr. J. J. Kerr) informed the Council that he had written the following reply: "I am very sorry indeed to receive your resignation as examiner as our relations have been happy during your term of office. I informed the president and he desired me to convey to you his sincere regret at your resignation."—On the motion of THE PRESIDENT, seconded by MR. GLEESON, Dr. J. Bayley-Butler was unanimously elected examiner to fill the vacancy caused by Dr. Kane's resignation for the year ending October 1, 1943.

Committees' Reports

The reports of the House, Law, and Certificates and Declarations Committees were submitted and approved.

Examination Matters

The examiners to the recent Licence examination reported that twenty-nine candidates entered of whom three withdrew and seven passed, one with honours. For the Assistants' examination twenty-six entered, of which number one withdrew and eight passed. The following who submitted matriculation certificates were granted Preliminary registration: Misses M. V. Heffernan, J. M. O'Connor, E. O'Leary, M. K. Cullen, M. T. Kelleher, E. M. O'Sullivan, S. Whelan; Messrs. E. J. Cassidy, H. J. Linehan, J. P. McCaul, J. Roche, T. G. Fullam, J. K. Gallagher, and D. P. Sammon.

Deaths

THE REGISTRAR reported on the deaths of R. Heatley, M.P.S.I., P. Liston, M.P.S.I., Miss M. R. McGoldrick, M.P.S.I., T. Harper, L.P.S.I., D. A. O'Connell, L.P.S.I., and T. Bolster, L.P.S.I.

Changes of Address

The following changes of address were notified: Mr. J. C. Bannon, M.P.S.I., to Crover, Mount Nugent, Oldcastle, co. Meath; Mr. W. G. Cunningham, M.P.S.I., to 9 Store Street, Dublin; Mr. P. Fenton, L.P.S.I., to The Square, Castlecomer, co. Kilkenny; Mr. M. Leonard, M.P.S.I., to 48 Castlepark Road, Dalkey; Mr. H. A. Naylor, M.P.S.I., to 23 Pearse Street, Athlone.

Membership

Mr. P. J. Carragher, and Mr. H. V. O'Sullivan were elected members of the Society.—The following were nominated for membership: P. Fenton, The Square, Castlecomer; A. C. Hennessy, 48 Clontarf Road, Dublin; J. C. Kehoe, 12 Westfield Road, Harold's Cross, Dublin; J. Shanahan, Main Street, Castle-island; and C. L. Spollen, 195 Cabra Road, Dublin.

The Licence certificates of the following were signed and sealed: Andrew C. Hennessy, Henry Hughes, Sheila M. Kelly, Margaret M. O'Dwyer, Margaret T. O'Reilly, Susan C. O'Reilly, and Columba L. Spollen.

The Council then considered, in committee, section three of the Consultative Committee's report dealing with companies in pharmacy.

At a meeting of the Benevolent Fund Committee held following the Council meeting two grants were passed for payment.

PARLIAMENTARY NEWS

Wheat Germ in Proprietary Products.—Sir E. Graham-Little asked the Parliamentary Secretary to the Ministry of Food what proportion of the wheat germ separated from the grain in milling had been allocated during the past three months to proprietary foods or medicines, and what proportion had been at the disposal of millers in the ordinary way of trade. Mr. Mabane replied that during the preceding three months more than 99 per cent. of the output of germ not retained in flour had been used in proprietary products, either foods or medicines.

Photographic Film Supplies.—Rear-Admiral Beamish asked the President of the Board of Trade on September 9 what was the situation in regard to supply of films for photographic dealers, and whether arrangements could be made for priority for serving men's families.

Mr. Dalton: The demands for photographic film for essential war requirements are very heavy, but as large supplies as the circumstances allow have been allocated to photographic dealers and photographers. I do not think it would be practicable to reserve a first call on these trade supplies for serving men's families, but I have made arrangements for extra supplies of film to be made to the Y.M.C.A. under their scheme for the photographing by amateur photographers of the relatives of serving men.

Hot-water Bottles in Hospitals.—Mr. Hannah asked the Minister of Health on September 10 whether he was satisfied that he had made provision in alternative materials for all reasonable requirements of hospitals and other users of aluminium and india-rubber hot-water bottles; and, if so, in what material.

Miss Horsbrugh replied that the Minister had arranged with the Minister of Supply that while supplies permitted rubber would be made available for the production of a strictly limited number of rubber hot-water bottles to meet the requirements of hospitals and similar institutions. He had also arranged with the President of the Board of Trade for the production of a reasonable quantity of stoneware and earthenware hot-water bottles which would be available for the general public.

Mr. Hannah: Is anything being done about glass hot-water bottles?

Miss Horsbrugh: I am informed that ordinary screw-top glass bottles can be made to serve the purpose.

Compulsory Trade Associations.—Sir J. Lamb asked the Parliamentary Secretary to the Ministry of Food to give a list of the distributive trade associations operating in connexion with the control of food distribution of which membership was compulsory if traders were to continue in business, and to state which of the associations would function only for the duration of the war. Included in the list given by Mr. Mabane were Cereal Breakfast Food Manufacturers (War-time) Association (if production exceeded 10 tons per annum); Cocoa and Chocolate (War-time) Association (if production exceeded 25 tons per annum); Sugar Confectionery (War-time) Association (if production exceeded 25 tons per annum); Milk Powder Pool, Ltd.; National Association of U.K. Oil and Oilseed Brokers, Ltd.; and Starch Distributors, Ltd. These companies, said Mr. Mabane, had been brought into existence to improve the supply and distribution of food during the war and no decision had been taken as to their continuance or otherwise afterwards.

Air Force Dispensers.—Miss Ward asked the Secretary of State for Air on September 9, whether he was aware that the lack of sufficient qualified pharmacists serving as such with the Royal Air Force, either as members of the Royal Air Force or of the Women's Auxiliary Air Force, was causing disquiet; and that this had been increased by the recent case in which a member of the Women's Auxiliary Air Force died as a result of being poisoned by being given caustic soda instead of liquid paraffin.

Sir A. Sinclair: There is no shortage of qualified dispensers in the R.A.F. to fill established posts and I am not aware of any disquiet of the kind suggested. The lamentable event referred to was not due to any lack of trained men or women.

Miss Ward: Has my right hon. Friend had any representations from professional advisers?

Sir A. Sinclair: No, Sir.

Miss Ward: Would he consider any representations that might be made?

Sir A. Sinclair: Yes, Sir.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2 is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D. 17 Argyle Street, Bath, Somerset.

PERSONALITIES

SERGEANT ANDREW STARK ROBERTSON, Royal Canadian Air Force, who has been reported missing in air action, was formerly chemist in Dundee.

SERGEANT H. PARRY-JONES, M.P.S., R.A.M.C., who was previously reported missing at Tobruk (see *C. & D.*, August 5, p. 171) has subsequently written home stating that he is a prisoner of war.

LIEUTENANT H. L. BIRTLES, formerly of the sales department of T. J. Smith & Nephew, Ltd., Hull, is reported as a prisoner of war in Italy; his address is 92239 Concentramento P.G. 21, P.M. 3300, Italy.

MR. THOMAS MARNs, jun., M.P.S., was initiated into Freemasonry in the Isma lodge, No. 5009, at a meeting held in the Café Royal, London, W., on September 10. The ceremony was performed by his father, Mr. Bro. Thomas Marns, M.P.S., L.G.R., and was attended by a number of pharmaceutical brethren.

MR. LEONARD JOHNSON has been appointed chairman and managing director of Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, in succession to his father, the late Mr. L. O. Johnson. Mr. Leonard Johnson served in the army during the whole period of the last war, retiring with the rank of captain. The new chairman of the company has travelled extensively, his visits including several to America and South Africa.

MARRIAGES

BARROWMAN—HALBERT.—At Fullarton Irish Church, Irvine, on September 2, George Barrowman, M.P.S., 19 Hill Street, Irvine, to Lillias Tweed Millar Halbert, A., Corra Linn, Waterside, Irvine.

EVES—EDNEY.—At St. Mary's Church, Edmore, recently, William Henry Eves, P.S., Portbredy, Locking, near Weston-per-Mare, to Gladys Edney, Wedmore.

ROBERTSON—BARRON.—At Lewisham, London, on August 24, Henry Stuart Robertson, London, to Eva Mary Christie Barron, M.P.S., 17 Queensgate, Inverness.

ROCHE—HEALY.—At the Church of Our Lady of the Rosary, Harold's Cross, Dublin, September 2, Frank J. Roche, M.P.S.I., Maureen E. Healy, Harold's Cross Road, Dublin. Mr. Frank Roche is this year's captain of the Irish Chemists' Golfing Society, and a director and manager of Muller's Medical Halls, Ltd., Dublin.

DEATHS

BOLSTER.—At 65 North King Street, Dublin, recently, Mr. Thomas Bolster, L.P.S.I., Dublin. Mr. Bolster passed the Licence examination in 1905.

LECKIE.—At 53 Underwood Road, Paisley, on September 11, Mr. John Robert Thomson Leckie, M.P.S. Mr. Leckie passed the Minor examination in 1905.

O'BRIEN.—At the Meath Hospital, Dublin, on September 4, Mr. David Joseph O'Brien, L.P.S.I. Mr. O'Brien, who resided at 152 Lower Kimmage Road, was the proprietor of the Adelaide Pharmacy, Harcourt Street. He qualified as a pharmacist in July 1925.

PATER.—Recently, Mr. Edward Rhodes Pater, Ph.C., Burdenshott Avenue, Richmond, Surrey, aged seventy-six. Mr. Pater was formerly in business at Retford.

RIDLEY.—Suddenly, on September 10, Mr. Thomas Moore Ridley, Ph.C., head of T. Ridley & Son, chemists, Carlisle. Mr. Ridley qualified in 1906 and passed the Major in the following year. For many years he had been a member of the Pharmaceutical Society's Board of Examiners, and a trustee and examiner for the Fairchild scholarship. Locally, he was chairman of the East Cumberland Branch since 1939, and a past-chairman of the North of England Joint Insurance Committee. Mr. Ridley was formerly president of the Carlisle Rotary Club and chairman of the chamber of commerce. He was also well known in the political world, having been secretary of the North Cumberland Liberal Association over a long period.

SCOTT.—On September 1, Mr. Alfred Bowne Scott, 342 Madison Avenue, New York City, founder and managing director of Scott & Holladay Pty., Ltd., Sydney, New South Wales, only son of Alfred Bowne Scott, sen. (founder of the business of Scott & Bowne, Ltd.), aged fifty-four.

STEWART.—Recently, Mr. Charles Stewart, M.P.S., New Pittsligo, Aberdeen, aged sixty-seven.

WALDEN.—At Brixton, London, S.W., recently, Mr. James E. Walden, for many years secretary of the Westminster College of Pharmacy.

WOODMAN.—Recently, Mr. William Henry Woodman, M.P.S., the Royal Pharmacy, Burnham-on-Sea. Mr. Woodman passed the Minor examination of the Pharmaceutical Society in 1910.



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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

VOL. CXXXVIII SEPTEMBER 19, 1942 NO. 3267

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Further Paper Economies

MORE restrictions are placed on the use of paper under a new Order issued by the Ministry of Supply (p. 293), which came into force on September 14. Paper enters the daily life of the community to an enormous extent, and in the past has been so cheap and plentiful that extravagant use has become habitual. The new Order is designed to help to check extravagant usage, and its underlying principle is that any use of paper which is not really necessary must be avoided.

The Order regulates the use of paper for advertising, circulars, wrapping and packing and labels. It is made clear that the restrictions on posters extend to advertising window-bills, showcards and display cards. Advertising circulars relating to the sale of goods or to any business may in general be distributed only on prepayment of at least a penny for each circular.

The following additions are made to the long list of articles the production of which is already prohibited or restricted: Pelmetts, calendars over 2 oz., advertising novelties and counter or window display devices relating to goods or a profession, trade or business, blotter books or bound sheets

interleaved with blotting-paper, albums, personal letter paper or pads over 40 square inches, stationery compendiums, playing cards (size and number in pack), tie-on or tag labels over 12 square inches, crêpe paper, lace paper, display cards, single portrait photographs exceeding 56 square inches, portrait photographs up to sixty persons exceeding 60 square inches, any other portrait group (except a panoramic with more than 100 persons) exceeding 120 square inches; the size of photograph mounts is also restricted.

In addition to the more specific restrictions, an important new provision which affects all persons is the prohibition on using for any document, leaflet, pamphlet, report, letter or memorandum any greater quantity of paper than is reasonably required for the purpose. Exceptions made for export trade in previous Orders have been cancelled.

The Doctors' Present Dilemma

IN the *C. & D.*, August 22, we commented on a letter on the subject of self-medication and the chemist's shop in the "British Medical Journal," August 15. In the subsequent issues of that publication there has been some further correspondence on the subject, and some extracts of these letters are given below:—

The fact is, however, that despite the "remarkable strides" and "wonderful discoveries" in medicine is still a long way from being an exact science, and if people can obtain a "cure" in the chemist's shop they will continue to patronise it, as being a quicker and more economical method than visiting a doctor's surgery. One has only to look round any sick-room and see the litter of nostrums of all kinds to realise that for most of our patients the chemist is regarded as the first line of defence in connexion with illness. When taxed with this question the chemist's invariable answer is that if he was dependent on doctors' prescriptions for his livelihood he would have a very lean time indeed, and that force of circumstances has made him more of a shopkeeper than a pharmacist. With regard to "counter prescribing," it is interesting to note that in most of these cases the "patient" comes along with a ready-made diagnosis, having previously consulted "Every Man His Own Doctor," so that all the chemist has to do is to take out the appropriate remedy from its particular pigeon-hole and hand it over the counter. . . . If the customer cannot get his favourite remedy from the chemist he can easily get it elsewhere, as most of the small general shops stock patent

medicines now. In addition the vested interests behind the proprietary drug trade are powerful, and as they are extensive advertisers in the lay Press we could not expect much support from that quarter. There is a further complication in the fact that so many doctors' dispensers also fill the rôle of book-keeper and receptionist.

In the past the vested interests in the patent medicine industry have proved themselves immensely strong, but if the medical profession were sufficiently insistent now, legislation might be introduced with success. . . . Must we wait for a professor of social medicine to tell us what we know already, that "counter prescribing" is responsible for a great deal of chronic illness and many deaths? Only a week ago I watched the sale of patent medicines at a street market in a large Midland town. A special line at 3s. 6d. a bottle was for St. Vitus's dance, and a cure was guaranteed in three weeks.

"Big business" (I am in no way financially interested in it) has given a phenomenal impetus to pharmacological research, and, in my view, has secured its truly remarkable results not only by the expenditure of capital but by putting behind its research men the peculiar acumen and enterprise which are characteristic of business. . . . There is, however, a more ugly side to this scandal, and that is the fact that so many of us simply neither prescribe nor dispense at all. We simply "dope out" stock mixtures, and, for myself, I would in case of illness as soon lay out a half-dozen patent preparations, select one of them by cutting a pack of cards, and take my chance on the one which turned up, as swallow some of the "mist. this" and "mist. that" which are foisted upon the people who chance the doctor instead of the chemist. . . . Is it any wonder that many chemists do not regard their advice as being materially more dangerous than that of some of the doctors whose "prescriptions" they dispense? Our own ineptitude at the time of the introduction of the N.H.I. Acts is as much to blame as anything else. . . . We tacitly admitted that medical attention was such a casual and unimportant thing that a man could dispose of a patient in five minutes or less.

This correspondence seems to show that while the medical practitioners appreciate that there is something wrong, they are not sure where or why. Chemists could frequently criticise adversely the professional capabilities of doctors, but we trust that none will rush into print with statements comparable with the ignorance conveyed by the reference to "ready-made diagnosis" and the "pigeon-hole remedy." It is apparently beginning to dawn on some doctors that any small shopkeeper is now his possible competitor—even the proprietor of a market stall where there is a cure for St. Vitus's dance. Yet the gulf between the doctor and the market stall is not always

so wide as might appear at first sight, for almost every chemist in the country has received medical prescriptions for "patent medicines the formulas of which were known only to the manufacturers.

As in all other walks of life, mutual recrimination leads nowhere, and the soon the prescribing, dispensing and selling of medicine are properly controlled the better. The opportunity for this reconstruction is approaching, and the way to achieve the best result is by the collaboration of all parties concerned.

COMING EVENTS

Tuesday, September 22

BIRKENHEAD AND WIRRAL PHARMACEUTICAL ASSOCIATION AND BRANCH, Woodside Hotel, Birkenhead, at 7.30 p.m. Mr. G. R. Knox-Mawer (a member of the Pharmaceutical Society's Council) on "Pharmaceutical War Problems."

Thursday, September 24

CROSBY PHARMACEUTISTS' ASSOCIATION, Waterloo House, 7 Crosby Road South, Waterloo, at 7.30 p.m. Annual meeting.

NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Beale's Restaurant, Holloway Road, London, N.7, at 3 p.m. Mr. J. Ross-Mansell, B.Sc., M.P.S., "Pharmacy at the Cross Roads."

MANCHESTER PHARMACEUTICAL ASSOCIATION AND MANCHESTER BRANCHES OF THE PHARMACEUTICAL SOCIETY, NATIONAL PHARMACEUTICAL UNION AND GUILD OF PUBLIC PHARMACISTS, Onward Hall, Deansgate, at 7.45 p.m. Mr. Noble on "Potential Developments. Post-war Medical Services—Where is the Pharmacy Stand?"

Wednesday, September 30

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, The Grand Hotel, Colmore Row, Birmingham, at 3 p.m., Mr. G. Mallinson (secretary, National Pharmaceutical Union) on "State Medical Service in Relation to Pharmacy and Post-war Developments."

Less Paper to be Used.—The new Paper Control Order will further restrict the use of paper for non-essential purposes. This is all the more reason why you should save every scrap of waste paper for repulping. The salvage collection must not decline and a million tons are wanted this year.

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

X.—Vitamin C

History.—Vitamin C is of particular interest historically because it was the first vitamin whose effects were studied on man, the results showing that a disease (scurvy) could be rapidly cured by purely dietetic treatment. In 1747 Lind tried on twelve patients suffering from scurvy a variety of remedies recommended for the treatment of the disease. He found oranges and lemons effected a cure in a few days, and produced slow improvement, and the other remedies, consisting mainly of spices and drugs, proved ineffective. This result, together with similar findings by Captain Cook, led the Admiralty to institute a ration of lime juice in the Navy, which greatly diminished the incidence of scurvy. At that time, however, it had not been realised that the antiscorbutic value of fresh fruit and vegetables could be readily lost during cooking or storage, and the wide variation in results obtained by different workers using these foods to prevent or cure scurvy led to a conflict of opinion about their antiscorbutic values. It was not until Holst and Frölich in 1907 discovered how to produce experimental scurvy in guinea-pigs that the way was opened for extensive investigations which finally proved the presence of the antiscorbutic vitamin in orange, lemon and other fruit juices and in fresh vegetables, and showed its liability to destruction by heating, especially in neutral or alkaline solution.

The introduction of a satisfactory chemical test by Tillmans in 1932 enabled the distribution of vitamin C in foodstuffs to be studied in great detail. Finally, the isolation of the pure vitamin as ascorbic acid followed soon afterwards by its synthesis and large-scale production provided the material for urine saturation tests which have during the last year or two formed the basis for extensive studies on human requirements of the vitamin; they also yielded valuable information about the degree of vitamin C deficiency existing in different sections of the community.

Physiological Effects.—Severe deficiency of vitamin C leads to scurvy, which is characterised by spongy, bleeding gums, loosening of the teeth and hæmorrhages which may eventually produce almost complete loss of power in the limbs.

Moderate deficiency may cause rhinitis, œdematous nasal mucous membranes, nose bleeding and lessened resistance to certain infections (some of these signs of vitamin C deficiency are reminiscent of the symptoms of a cold in the nose, in which fruit juices give speedy relief.) The rate of healing of wounds may also be slower if the diet contains insufficient vitamin C. In biological assays moderate deficiencies of the vitamin produce in ten to fourteen days marked changes in the microscopic structure of the teeth of young guinea-pigs, particularly in the odontoblasts and predentine, which are detected by histological examination.

Deficiency of vitamin C has been thought to diminish the strength of the capillary walls, causing escape of blood. It is true that the tendency to these diffused capillary hæmorrhages can be counteracted by administration of fruit juices containing vitamin C, but recent work employing a new method of determining the capillary resistance in experimental animals suggests that the action of these fruit juices in improving the capillary resistance is due not to ascorbic acid but to some other vitamin associated with it, which may be vitamin P or hesperidin.

Test for Vitamin C.—This depends on the ability of the vitamin to reduce (decolorise) the dye 2:6 dichloroindophenol in acid solution. The vitamin solution must be strongly acid (*pH* about 1), using metaphosphoric acid or a mixture of orthophosphoric acid and trichloroacetic acid. The dye solution in freshly boiled and cooled distilled water is run rapidly into the vitamin solution with constant stirring until a faint pink colour persists for at least twenty seconds. The whole titration must be completed as rapidly as possible, preferably within two minutes, so as to eliminate interference from other substances which reduce the dye more slowly.

Other Chemical Methods.—When coloured solutions prevent the use of the dye titration as outlined above, this may be modified by adding chloroform to take up the colour of the dye but not the colour of the interfering substances. The titration mixture is kept stirred by a constant stream of nitrogen or carbon dioxide. The chloroform method is difficult to apply to strongly coloured solutions, and cannot always be

relied upon to give trustworthy results. It was therefore a great advance when Harris, Mapson and Wang introduced a potentiometric method of estimating vitamin C, in which the course of the dye titration is followed by changes of the E.M.F. This method gives the same results as the ordinary dye titration, and also agrees with biological assays and with a new polarographic method which was recently introduced by Kodicek.

It has been suggested by some workers that the dye titration method does not always give a true estimate of the vitamin C value, because of the presence of interfering substances which either react with the dye and cause the value to be too high, or prevent the dye reacting with the vitamin and cause the value to be too low. It has also been suggested that many foods may contain considerable amounts of dehydroascorbic acid, which can produce the physiological effects of vitamin C although it does not react with the dye. These possibilities have been carefully examined by Harris and his colleagues and by Miss Olliver. They find that the only substance occurring in foods which may significantly affect the results of the dye titration is sulphite, which is often added to prevent the growth of moulds in fruit syrups. The sulphite can be removed by evacuating the strongly acidified solution or by bubbling nitrogen through it. The interfering action of sulphite can be eliminated by adding to the titration mixture a quarter of its volume of acetone. This is particularly useful in the potentiometric method.

Requirements of Vitamin C.—In an earlier article the average adult daily requirement of vitamin C was stated to be about 50 mgm. This figure needs a little amplification. Some adults leading a sedentary life might find a daily supply of 50 mgm. of vitamin C more than sufficient to maintain them in perfect health (provided of course that the diet contained sufficient of all other essential factors). Other adults leading a more active life might need 70 or 75 mgm. daily. The daily requirement of women in pregnancy may reach 100 mgm. and when they are feeding children at the breast women may need as much as 150 mgm. daily, according to the latest American figures. Children of 1-3 years need 30 mgm., of 4-6 years 50 mgm., of 10-12 years 75 mgm., and of 16-20 years 100 mgm. The food actually eaten in early childhood should contain about one and a quarter times as much vitamin C per oz. as the food eaten by adults.

Sources of Vitamin C.—In the pre-war diet of the average adult in this country nearly half of the vitamin C requirement was obtained from vegetables, perhaps a quarter to a third came from fruit, and very small amounts from meat, fish and dairy produce. Amongst fruit oranges and lemons formed probably the most important source of the vitamin. Orange juice was especially valuable for children during the first year or two. Their staple food, milk, contains very little vitamin C, and even human milk may not provide sufficient of the vitamin unless the mother providing the milk is given a diet about twice as rich in vitamin C as that eaten by the average adult. Adults should be able to obtain sufficient vitamin C from vegetables; these are chosen rightly and properly prepared. Young children, on the other hand, cannot always be relied upon to eat sufficient vegetables. The Minister of Food has therefore made special provision for sources of vitamin C for these young children. The reservation of oranges mainly for children under five years has meant that sufficient of this fruit has been available to provide such children with one or two days' requirement of vitamin C each week. This imported source of vitamin C has been augmented by two home-grown sources, blackcurrants and rose hips. Blackcurrant juice contains two or three times as much vitamin C as orange juice, and most of the blackcurrants grown in this country in 1942 will be used to produce purée for distribution to young children through clinics. Rose hips contain five to twenty times as much vitamin C as oranges; those growing in the South of England being rather less rich than those growing in the North of England and Scotland. It is planned to collect about 2,000 tons of these hips during the next few months and prepare from them syrups and other preparations which will be available for distribution to young children through pharmacists. Rose-hip syrup has been found gradually to lose its vitamin C value on keeping. As much as half may be lost in the time from collecting hips in September to using it in the following March-April. The syrup should therefore be labelled with the date of manufacture, and with a recommendation to be stored in a cool place.

Vegetables and Vitamin C.—The vegetables richest in vitamin C are tomatoes, carrots, cabbages, kohlrabi, and various greens. Tomatoes are especially valuable if eaten raw, which avoids loss of vitamin

cooking processes. Under present circumstances tomatoes are only available five or six months in the year. Studies of the diet of school children made recently in Hertfordshire by taking samples of school meals and determining how much vitamin C they contain have shown that in fact most of the vitamin is obtained from greens. The vitamin C value of greens is greatly reduced by cooking, if care is not taken to inhibit the action of enzymes which begin to destroy the vitamin as soon as the vegetable is put into cold water. Greens should be added a little at a time to boiling water, which destroys the enzymes before they can do much harm to the vitamin. The gradual addition of the greens ensures that the temperature of the water is not cooled below, say, 60-70° C., below which the enzyme is not quickly destroyed. The greens should be eaten as

soon as possible after cooking. If kept hot for a further two or three hours, as may happen in communal kitchens, an appreciable amount of the vitamin may be lost.

Salad Vegetables.—The discovery that greens may lose a good deal of their vitamin C during cooking has led to a recommendation that we should rely largely on uncooked salad vegetables such as lettuce, watercress and grated carrots as a source of vitamin C. Recent work has indicated that even this procedure may have pitfalls. The grating of carrots, for example, sets free enzymes which gradually destroy vitamin C, so that a third or more of the vitamin may be lost in an hour or two at room temperature. Root vegetables such as carrots, swedes, turnips and radishes should therefore not be finely grated, but merely cut into not too small pieces with a knife, and eaten as soon as possible.

M.A. DISCUSSES MEDICAL PLANNING

The new president of the British Medical Association (Sir Beckwith Whitehouse) spoke of the "swing towards State medicine" when, at the annual representative meeting of the Association, the draft interim report of the Medical Planning Commission was discussed. The president said that, while recognising the necessity for a co-ordinating body and admitting the immense services which the Ministry of Health had contributed to the nation's health, he had viewed with some apprehension the inroads that had been made in recent years on the influence of that traditional link of British medicine—the family doctor and his patient—and the swing towards State medicine. "Communal services are increasing and we may awake one day soon to find ourselves members of a co-ordinated State health service."

Duty to Implement Proposals

If, in all subsequent discussion and future legislation designed for the betterment of national health, the "sacred bond" which existed in Britain between the doctor and his patient was not lost or broken then the main suggestions of the Planning Commission could bring nothing but good, and it would be their duty to implement the proposals willingly, if and when they were asked to do so. The alternative was a system of salaried State medical service, which he believed to be detrimental to the national health and the personal interests of patient and doctor alike.

Right to Contract Out

A proposal that provision of medical service of whatever character should be made by the Government for the whole community was adopted by the meeting, which also agreed that the patient should have the right to contract out and the doctor the right to charge fees for attendance to patients not on his list. A proposal that the basis for the co-ordination and integration of health services should be the establishment of a whole-time salaried Government medical service was rejected by 177 votes to 20. The plan outlined in the draft report was adopted in so far as it relates to changes in central and local administrative and advisory machinery.

The establishment in principle of rest centres was approved, and it was agreed that all registered medical practitioners should have the right to take part in any medical service, and so far as possible a right to serve in their own districts. The meeting expressed the view that central machinery in the future medical service should take the form of a corporate body, and agreed that whatever body is set up to deal with decentralised health administration should be required by statute to delegate the administration of hospitals and other medical health and ancillary services to a committee or committees, to be composed of (1) non-medical members with knowledge and experience in health matters and nominated on a non-party political basis; (2) medical men in adequate numbers.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, September 16

EXCEPTIONALLY quiet conditions have again obtained in the London drug and chemical markets. Apart from what may be described as "general routine business," little of interest has occurred, and price changes have been few. Among the PHARMACEUTICAL CHEMICALS, makers' and dealers' prices remain at about the levels recently prevailing. Substantially increased prices are, as noted last week, now in force for MERCURIALS, under the provisions of the Control of Mercury (No. 10) Order, 1942. A small range of pharmaceutical chemicals imported from the United States under the Lease-Lend arrangement will, it is understood, shortly be available for distribution. Supplies of these items have not yet reached distributors, and prices have not been officially released for publication.

Crude Drugs

Business in these commodities has mainly been confined to the filling of small routine orders from the consuming trades. Prices are generally maintained, and few fluctuations have occurred. A move to conserve existing supplies of AGAR is seen in the notification to holders to refrain from disposing of stocks without official sanction; agar is essential for the preparation of bacteriological media, and it is on the whole surprising that steps to regulate sales have not been taken before. BALSAM OF PERU is firm and tending dearer. Business in BENZOIN remains slow, with prices unchanged. CLOVES are a fraction cheaper on the week. Re-boiled DRAGON'S BLOOD is practically unobtainable. Spot supplies of African and Jamaican GINGER appear to be practically exhausted. IPECACUANHA is firm, and it is understood that import licences are not being granted. MYRRH, in restricted supply, is fetching good prices. RHUBARB is quiet, with no quotable changes in values. Spot supplies of SENNA appear to be fairly plentiful. TRAGACANTH is firmer, with some medium grades at slightly higher rates. WAXES are unchanged.

Essential Oils

Conditions in these markets are again without important change on the week. Spot supplies of genuine Red Ship ANISE (STAR) are becoming increasingly difficult

to find, but prices are no higher. It is impossible to find an odd drum or two. WHITE CAMPHOR on spot. CLOVE is tending easier, but English distillers' prices without quotable change. PEPPERMINT scarce and spot prices of Chinese are likely to rise still further. There are no changes in the existing controlled prices of OILS and FATS. A meeting of the essential oils importers' section of the London Chamber of Commerce was held on September 11 to consider a draft scheme of distribution received from the Ministry of Food. The meeting adopted a resolution; consultations with the Ministry are to continue.

Exchange Rates on London

No changes have been announced in the Bank of England fixed rates of exchange of currencies in the following centres: New York 4.03 dollars; Montreal, 4.45 dollars; Buenos Aires, 17.02 paper pesos; Lisbon, 100 escudos; Stockholm, 16.90 kroner; Zurich, 17.35 francs; Netherlands West Indies, 7.60 florins. The Chinese national dollar is valued at 33½ d. The Madrid pesetas are at 40.50 to the £1 sterling.

Pharmaceutical Chemicals

ACETANILIDE.—Moderate supplies of B.P. crystals and powder are stated to be available at 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder.

ATROPINE.—Prices currently charged by makers are as follows: ALKALOID, 29s. per oz. 4 oz., 28s. 6d.; and 25 oz., 28s. per oz. SODIUM PHOSPHATE, 23s. per oz.; 4 oz., 22s. 6d.; and 25 oz., 22s. per oz. Package charges are: Bottles, corked, under 1 oz. or 25 gm., 4d.; 1 oz. or 25 gm., 4½d.; 2 oz. or 50 gm., 5d.; 4 oz. or 100 gm. and over, included; bottles, stoppered, under 1 oz. or 25 gm., 7d.; 1 oz. or 25 gm., 7½d.; 2 oz. or 50 gm., 8d.; 4 oz. or 100 gm. and over, included; tubes, 5-gr., 10-gr., 15-gr. or 1-gm., all 17s. 6d. per 100 tubes.

BENZOIC ACID.—Available for medicinal purposes at about 2s. 6d. to 3s. per lb.

BORAX.—Makers quote B.P. quality as follows: Granulated, £39 10s. per ton; crystals, £40 10s.; and powder, £41; packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

BORIC ACID (B.P.).—The following are makers' prices: Granulated, £60 15s.; crystal, £61 15s. and powder, £62 15s.; packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

CITRATES.—The following are makers' prices: POTASSIUM, B.P., in quantities of 28 lb. 1 cwt. (containers in brackets): 3s. 2d. (1 lb.); 3d. (4 lb.); 2s. 11½d. (7 lb.); 2s. 11½d. (1 lb.); 2s. 11d. (28 lb.). Prices of SODIUM, P., are at one penny per lb. below, and IRON D AMMONIUM (SCALES), B.P., at threepence above these prices. Packages extra.

CODEINE.—ALKALOID costs 38s. 3d. per oz., d PHOSPHATE, 31s. 3d., both in 4-oz. lots.

GLYCERIN.—Small quantities are priced as follows: 1-cwt. drum, 86s. per cwt.; 56-lb., 94s.; 28-lb. tin, 97s.; 14-lb. tin, 100s. per t. Subject to discount of 2½ per cent. twenty-t days.

GUAIACOLS.—CRYSTALS and CARBONATE, in standard supply, from 13s. to 14s. per lb., rding to quantity.

HEXAMINE.—Price of free-running crystals uld be in the region of 2s. 3d. per lb. for t. lots; fine crystals, a few pence cheaper.

IODINE PREPARATIONS.—Currently quoted as follows: POTASSIUM, B.P., 112 lb., 9s.; 28 lb., 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; aller quantities, 12s. 6d. SODIUM, B.P., lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODIFORM, B.P. (powder), 28 lb., 12s. 6d.; 14 lb., 13s.; 7 lb., 15s. 2d.; 4 lb., 16s.; smaller antities, 16s. 10d.; (cryst.) 28 lb., 14s. 6d.; lb., 15s.; 7 lb., 17s. 2d.; 4 lb., 18s.; smaller antities, 18s. 10d. IODINE RESUBLIMED, B.P., 28 lb., 10s. 4d.; 14 lb., 10s. 10d.; 7 lb., 13s. 10d.; 4 lb., 13s. 9d.; smaller antities, 14s. 6d. All prices net. Any quan- y delivered carriage paid throughout Great tain.

MERCURIALS.—As stated last week, a new edule of maximum prices is contained in the ntrol of Mercury (No. 10) Order, 1942 R. & O. 1942, No. 1813). Prices for quantities to two cwt. are as follows:—

COMPOUND	Over 7 lb. but less than 28 lb.	28 lb. and over but less than 1 cwt.	1 cwt. and over but less than 2 cwt.
chloride, powder ..	s. d. 16 1	s. d. 15 9	s. d. 15 8
chloride (industrial uality) ..	16 1	15 9	15 8
chloride, lump ..	16 8	16 4	16 3
monium chloride, powder ..	18 3	17 11	17 10
monium chloride, lump ..	18 1	17 9	17 8
monide (mercurous) ..	19 0	18 8	18 7
de, red crystalline, B.P. ..	21 2	20 10	20 9
de, red levigated, B.P. ..	20 8	20 4	20 3
de, red technical ..	All quantities: 19s. 11d. per lb.		
de, yellow levigated, B.P. ..	20 7	20 3	20 2
de, yellow technical ..	All quantities: 19s. 7d. per lb.		

MERCURY IODIDES.—Steady, as follows: RED, less than 7 lb., 20s. 8d. per lb.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 26s. 8d. per lb.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. per lb. net, carriage paid.

MERCURY SULPHIDE, RED (VERMILION).—The following prices are included in the Control of Mercury (No. 10) Order, 1942 (S.R. & O. 1942, No. 1813): Over 7 lb. but not more than 30 lb., 17s. 11d. per lb.; over 30 lb. but less than one cwt., 17s. 10d.; one cwt. and over but less than 5 cwt., 17s. 9d. per lb.

METHYL SALICYLATE.—Makers' prices unchanged. Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—No change in makers' prices: Less than 7 lb., 4s. 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 4s.; 1 cwt., 3s. 11d.

SALICYLIC ACID (B.P.).—Makers' prices for quantities of 28 lb. to 1 cwt. are as follows (containers in brackets): 2s. 5½d. (1 lb.); 2s. 3½d. (4 lb.); 2s. 3½d. (7 lb.); 2s. 3d. (14 lb.); 2s. 2½d. (28 lb.). Parcels or collapsible cartons free; other packages extra.

SANTONIN.—The following are home trade prices: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the United Kingdom; 1-kilo packages free.

STRYCHNINE SALTS.—Details of makers' prices were given in the C. & D., September 12, p. 281.

TANNIC ACID.—Any available supplies would be worth around 7s. 6d. per lb.

VANILLIN.—Unchanged. Material made from clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

AGAR.—Most holders of this product are understood to have been notified not to dispose of or use stocks without official permission.

ALOES.—There are no alterations to report. Cape, spot, 65s. to 67s. 6d. per cwt. Curaçao, for shipment, 450s. per cwt., c.i.f., but there are no reports of business at this figure.

ANNATTO SEED.—Indian seed, on spot, quoted at 4½d. per lb., ex store.

ANTIMONY.—Conditions and prices are unaltered. English minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, £100 per ton, delivered.

BALSAMS.—Peru is firm on spot at fully 8s. per lb. Other varieties unchanged, as follows: *Tolu*, spot, 9s. 6d. per lb.; *Canada*, 8s. 6d. per lb.; *Copaiba*, B.P., remains in restricted supply.

BELLADONNA.—Indian root is available on spot at 460s. per cwt.; leaves are unobtainable.

BENZON.—Business remains slow, prices ranging from £16 to £20 per cwt. for ordinary grade, according to seller. Free almondy, on spot, small lots at from £33 to £35 per cwt.

BISMUTH METAL.—No change in the price of high-grade metal at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Firm, with limited supplies of fair green rounds available on spot at 6s. 3d. per lb.

CALUMBA.—Middling washed root, on spot, from 18s. to 19os. per cwt.

CAMPHOR.—Ordinary routine business passing at approximately last-quoted prices: Chinese, B.P., 11s. 6d. per lb.; crude (90 per cent.), 1os. per lb.; Japanese slabs, 11s. 6d. to 12s. per lb. Limited supplies of English synthetic B.P. are understood to be available to approved buyers at about 7s. 6d. per lb.

CARDAMOMS.—Quiet, with little change in prices. Aleppy greens, spot, 5s. 3d. per lb.; shipment, 4s. per lb., c.i.f. Aleppy seed, spot, 5s. 9d. per lb.; shipment, 5s. per lb., c.i.f. Split seed, spot, 4s. 6d. per lb.

CASCARA SAGRADA.—Supplies of bark imported under the Lease-Lend arrangement are understood to have been distributed.

CHILLIES.—Spot price of Mombasa remains at 15os. per cwt.

CLOVES.—Zanzibar, fractionally lower on spot at 1s. 7d. per lb., sellers; second grade, afloat, sellers 1s. 4d., c.i.f. Madagascar, unquoted.

COCOA BUTTER.—No change in the controlled price of 1s. 5½d. per lb., ex factory or warehouse, except when sold under Ministry of Food licence.

COCONUT (DESICCATED).—Ministry of Food official price remains at 49s. per cwt.

COLCHICUM.—Indian corms available on spot at from 2s. 9d. to 3s. per lb., according to quantity and seller.

DANDELION ROOT.—Not much here and none coming in. Spot, 14os. per cwt.

DIGITALIS LEAVES.—Good-testing Portuguese available on spot at 125s. per cwt.

DRAGON'S BLOOD.—Practically no re-boiled on spot. Dull Zanzibar drops, in small compass on spot, £20 to £21 per cwt.; seedy lump, spot, £30 per cwt.

ERGOT.—Portuguese, slow of sale on spot at 5s. 9d. to 6s. per lb.; shipment, 5s. 9d., c.i.f.

GALANGAL.—Spot supplies are available at between 9os. and 95s. per cwt.

GINGER.—Quotations are nominal, pending the fixing of prices by the Ministry of Food. There appears to be no West African or Jamaican on spot, but some Calicut is reported available at 23os. per cwt.

GRAINS OF PARADISE.—Occasional sales from small spot stocks at 1s. 10d. per lb.

GUAIACUM.—Some natural good glossy may be had on spot at 5s. 9d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, spot, 125s. per cwt.; afloat, 10os., landed terms; shipment, 7os. per cwt., c.i.f. A moderate

quantity of bleached is available to consumer manufacturers at 145s., ex warehouse London.

HONEY.—For particulars of revised price schedule for first-hand and wholesale transactions, see *C. & D.*, May 9, p. 527.

HYDRASTIS.—Imported under the Lease-Lend arrangement and sold to users at 22s. per lb., ex store, with an additional small charge for repacking.

IPECACUANHA.—Firm. Minas, spot, B grade, 12s. 6d. per lb., 13s. asked in some directions; just under B.P., 12s. or rather 1 per lb. Matto Grosso, spot, 18s. to 18s. per lb. It is understood that import licenses are being refused. According to recent published reports on United States-Brazil agreements, 150 tons of ipecacuanha will be taken from Brazil by the United States and Great Britain over a period of eighteen months. Current prices for *EXT. IPECAC. LIQ.*, in Winchester quarts, are as follows: B.P., 17, under three, 26s. per lb.; three and under 25s. 6d.; six and under twelve, 25s.; two and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d. six and under twelve, 23s.; twelve and over 22s. 6d. per lb., all prices net.

JABORANDI.—Obtainable on spot at 6os. cwt., ex store.

JALAP.—Spot price of Brazilian (13 per cent) would be 95s. per cwt. No Mexican available.

KAMALA.—Spot supplies of 6 per cent. available at 2s. per lb.

LIQURICE ROOT.—East Indian, spot, 7os. cwt., ex warehouse Hull.

MENTHOL.—Business is confined to route sales at unchanged prices. Chinese, spot, 72s. 6d. to 75s. per lb., according to seller. Japanese, spot, 75s. per lb.

MERCURY.—Full particulars of current official prices, which range from £68 10s. to £69 3s. per bottle for quantities over 7 lb., were given in the *C. & D.*, August 1, p. 131.

MYRRH.—Aden sorts on spot would fetch £18 per cwt. Supplies are restricted.

NUX VOMICA.—Moderate routine business reported. Cochin, washed and garbled, spot, 45s. per cwt.

OLIBANUM.—Medium pea size, spot, available at 15os. per cwt.

ORANGE PEEL.—Spot supplies are in small compass. Thin cut and quarters would fetch 3s. 3d. per lb.

PAPAIN.—Spot, nominal at 16s. per lb.

PEPPERS.—Maximum official price of white Muntok, not picked over or cleaned, 8d. per lb. in bond; whole black Lampung, in similar condition, is 5d. per lb. in bond.

PIMENTO.—There are sellers on spot at 2s. per lb.; shipment, unquoted.

PSYLLIUM SEED.—Indian seed offered spot at 1s. 3d. per lb., ex store.

PYRETHRUM.—Available supplies are small. Kenya flowers, spot, 2s. per lb.

QUILLAIA BARK.—Natural bark, on spot, s. to 110s. per cwt.; crushed or cut, spot, s. per cwt.

RHUBARB.—Quiet, with prices at the levels quoted. Good-quality rough-round, spot, 6d. to 7s. 9d. per lb.; lower grades, 7s. per Shensi, spot, 9s. 6d. to 10s. per lb.

APONIN.—Supplies are available, ex warehouse Liverpool, at 7s. 6d. per lb.; shipment, 6d. per lb., c.i.f.

ARSAPARILLA.—Present supplies are not plentiful. Native reddish, spot, firm at 3s. 1½d. 5s. 2d. per lb.

SEEDS.—Supplies are limited and business is all. Supplies remain as follows: **ANISEED.**—Supplies are available, but replenishments expected. **CANARY.**—None available. **CARAWAY.**—No supplies are available. **CORIANDER.**—Indian, spot, none available at present; English, quoted at 220s. **CUMIN.**—Malta, 165s., duty free; Indian, 165s. **DILL.**—Spot, quoted 170s. **FENNEL.**—Indian, business done on at 105s., duty free. **FENUGREEK.**—Nothing available. **MUSTARD.**—English, 140s. to 150s. per cwt., according to quality.

SENEGA.—Spot is without quotable change 7s. 6d. to 7s. 9d. per lb., with 8s. mentioned in some directions.

SENA.—Supplies of leaves appear to be plentiful. Spot prices are as follows: **Is.**—Tinnevely, good hand-picked, 11d. to 12d. per lb.; ordinary grade, 10d. to 11d.; **2.**—6d. to 7½d.; **Alexandrian**, fair, 3s. 6d. per lb. **Leaves:** Tinnevely: No. 1, 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.; **Alexandrian**, broken, 1s. 3d. to 1s. 4d. per lb.

SHELLAC.—Steady at the rates given last week. Standard TN orange, spot, 200s. per lb., value. Pure button, unquoted; fine grade, 240s. to 290s. quoted.

SLEPPERY ELM BARK.—Price to users of Leased material is 1s. 6d. per lb., ex store. It is understood that most of this bark has been distributed.

STRAMONIUM LEAVES.—Present supplies are on the low side. Indian, spot, 105s. per cwt., ex store.

TROPHANTHUS.—Occasional business is passing at unchanged rates. 100 per cent. Kombé 1, spot, from 10s. 6d. to 11s. per lb., according to quantity. It may be possible to obtain some per cent. the cost of which would be less.

FRAGACANTH.—Firmest. Current prices of gum grades are as follows: No. 1, white, 7s.; No. 2, white, £120; No. 3, white, £107; No. 4, white, £92; pale leaf, £80; amber, £70; red and brown leaf, £47; red leaf, £42; woody and hoggly, from £18, ex store.

TURMERIC.—There is nothing of interest to the market, and business is small. Spot, Madras, sound quality, 67s. 6d. per cwt.; wormy, 65s.; ground, 95s.

VALERIAN ROOT.—Indian, spot, 100s. to 105s. per cwt., according to quantity. It is understood that import licences are being refused.

WAXES.—Quiet; values unchanged. **BEEES.**—Unquoted. **CARNAUBA.**—Fatty grey, 510s. per cwt.; chalky grey, 500s.; **Primeira**, 585s.

WITCH HAZEL LEAVES.—Spot, 1s. to 1s. 3d. per lb., according to quantity.

Essential and Expressed Oils

ANISE (STAR).—Supplies of genuine Red Ship oil are becoming increasingly difficult to find. Spot prices for any available lots would be as follows: Drums, 53s. to 54s. per lb.; tins in cases, about the same figures.

BAY.—Limited supplies on spot at between 12s. and 13s. per lb., according to quantity.

BERGAMOT.—The basic value of any genuine oil would be in the region of 100s. per lb., but business, owing to restricted supplies, would be a matter of negotiation.

BOIS DE ROSE.—About 35s. per lb. would be the present spot value.

CAJUPUT.—Firmly held on spot for about 15s. to 16s. per lb., according to quantity.

CAMPHOR (WHITE).—An odd drum or two on spot would fetch from 500s. to 550s. per cwt., duty paid.

CANANGA.—Supplies are restricted. Spot, genuine oil, about 60s. to 70s. per lb.

CEDARWOOD.—Spot, nominal at 6s. 6d. per lb.

CINNAMON LEAF.—Spot supplies, if available, would be worth around 15s. per lb.

CLOVE.—Tending easier. English distillers' prices are between 15s. and 16s. 6d. per lb., according to quantity and seller.

EUCALYPTUS.—In short supply. Spot, about 5s. 3d. per lb.

FENNEL.—Sweet oil is available on spot at around 30s. per lb.

GERANIUM.—About 80s. per lb. would be the basic price of any available supplies, but business would have to be negotiated.

GINGERGRASS.—Available on spot at approximately 25s. per lb.

PALMAROSA.—Available on spot at approximately 35s. per lb.

PATCHOULI.—Spot, nominal at 70s. per lb.

PENNYROYAL.—Any available spot supplies would be worth around 30s. to 35s. per lb., according to quantity.

PEPPERMINT.—Market conditions are about the same as those reported last week. Chinese oil, spot, 85s. per lb.

PETITGRAIN.—About 24s. to 25s. per lb. would be the spot value of any available.

Shipments of petitgrain oil from Paraguay during 1941 amounted to 199,487 kilos, compared with 164,407 kilos in the previous year. The largest consumer of this oil was the United States.

PINE.—For latest official prices, see *C. & D.*, August 22, p. 209.

TURPENTINE.—Official prices of gum and wood spirits of turpentine were given in the *C. & D.*, August, 22, p. 209.

TRADE MARKS

(From "The Trade Marks Journal,"
September 2, 1942)

- "NEGRAIDIZING"; for chemicals for treating metals to render them resistant to rust and corrosion (1). By G. K. Bergstein, 71 Abbey Road Mansions, St. John's Wood, London, N.W.6. 618,797.
- "VALDENTA"; for non-medicated toilet preparations for the teeth and gums (3) and for medicated preparations for the teeth and gums (5). By Dae Health Laboratories, Ltd., 25-27 Berners Street, London, W.1. 619,059-60 (Associated).
- "TOL-ES-KAR"; for non-medicated toilet preparations for the hair and scalp (3). By Annie and J. B. Vine, 222-24 Harrow Road, Paddington, London, W.2. 619,216.
- "NIMPON"; for all goods (5) excluding preparations for rheumatism. By Koray, Ltd., 56 Gamage Building, Holborn, London, E.C.1. 617,447.
- "CORIDERM"; for medicated preparations for treatment of the skin (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 618,817.
- "P.M.C. LIMITED," with design incorporating conventional lion and words "Finis Coronat Opus" ("P.M.C." disclaimed); for pharmaceutical substances and preparations, dental stoppings and dental wax (5). By Pharmaceutical Manufacturing Co., Ltd., Westbourne House, Pittville Circus Road, Cheltenham. 619,299.
- "NEOPRONTOSIL"; for pharmaceutical dye preparations for prevention and treatment of streptococcus infection (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 619,392 (Associated).
- "DERMYNOX"; for pharmaceutical substances for veterinary external application, and preparations for destroying vermin (5). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 619,475.
- "MAGNOCREM"; for pharmaceutical preparations and substances (5). By Co-operative Wholesale Society, Ltd., 1 Balloon Street, Manchester. 619,620.
- "ADESOPLAST"; for surgical adhesive plasters (5). By Johnson & Johnson (Gt. Britain), Ltd., 603-04 Bath Road, Slough, Bucks. 619,629.
- "MAXVERTER"; for spectacles, etc. (9). By C. A. Maxwell, 95 High Street, Scunthorpe, Lincolnshire. 619,477.
- "CALMIC"; for surgical, medical and veterinary instruments and apparatus (10). By Calmic, Ltd., Lostock Grange, Westhoughton, Lancs. 613,213 (Associated).
- "REGENT PRODUCTS" under device incorporating letters "D S" and crown ("D" and "S" disclaimed); for dressing table sets, perfume sprays, etc., excluding precious metal (21). By D. Strasburger, Ltd., 87 Regent Street, London, W.1. 618,773.
- "KLIMAX"; for combs (21). By O. & M. Kleeman, Ltd., 156-62 Oxford Street, London, W.1. 619,268 (Associated).

MISCELLANEOUS INQUIRIES

Citrine Ointment.—*W. M.*—This name is given to mercury nitrate ointment of the American "National Formulary" on account of the yellow colour formed by the action of the nitric acid on the lard.

Quinine Preparations.—*C. C.*—We understand that while you, as manufacturer, can make preparations containing quinine in anticipation of a demand by chemists who supply them in pursuance and for the purposes of a prescription for a named person and signed by a registered medical practitioner, you would require a Ministry of Supply licence before you could supply such preparations to the chemist, unless his aggregate stock of controlled material did not exceed the quantity prescribed by the Control of Cinchona and Cinchona Products and Synthetic Substitutes (No. 1) Order, 1942. Applications for such licence should be made to the Director of Medical Supplies, Ministry of Supply, Portland House, London, S.W.1. If you did supply preparations containing quinine on such a licence to the chemist, then you would be on him to supply them in accordance with the requirements of the Order.

Tomato Mosaic.—*D. W. M.*—The most characteristic symptom is a pale green yellowish mottling of the leaves, sometimes accompanied by a curling or distortion of the leaf surface. Mosaic is spread from infected to healthy plants in the small amount of sap carried on the fingers of workers handling the plants, on the pruning knives, or even on their clothing. Outbreaks have sometimes been traced to the virus present in smoking tobacco, tobacco is affected by the same disease. Hands and knives should be thoroughly washed with soap and water after working with such plants. They can be placed in the charge of one worker, who should not handle healthy plants. Spread of the disease can also be checked by carrying out pruning operations towards the infected area from both sides. Where potash deficient and growth is unduly soft and leafy, 1 or 2 oz. of sulphate of potash per square yard may be applied with advantage. If general starvation symptoms are apparent, a top dressing containing nitrogen as well as potash and phosphate should be applied. Further details of the nature and control of the disease are contained in the Ministry of Agriculture Advisory Leaflet No. 38.

In August 1805 our ancestor's ancestor wrote to his daughter:—

“We do begin to be seriously apprehensive of the Invasion being soon and suddenly attempted. If you do not return soon, it is not at all unlikely you may be put to some inconvenience if not to suffering. It would be a sad thing to be on the coast if any great battle should happen.”

Two months later Trafalgar banished his fears.

We have no fears as to the outcome of Hitler's Invasion threat, but we are sometimes a little apprehensive lest our many friends may feel that we are not giving them our traditional good service during the war.

Between us, we are doing our utmost to help and we are grateful for the patience and good humour with which so many of you are helping us.

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that it would bring Peace to the
World

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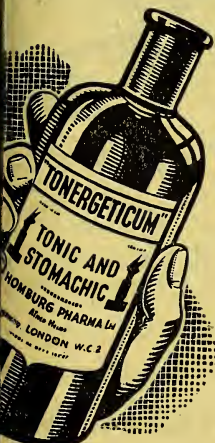
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Usual Trade Terms



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	Retail Trade	
Malt and	small size 1/6	14/4 per
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HEALS cuts, burns, scalds, scratches, inflammation.

IN JARS retailing at 1'-.
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Withington,
MANCHESTER.

Dear Sir,
"Unfortunately the
bottle she got seems to
be the last one obtain-
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*Are you
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If you find that your supplier is unable to fill your CURICONES order, write to us giving the name of your wholesaler, and we will do everything we can to get stocks to you without further delay.

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Please note that the new prices of CURICONES, including Tax, are: Small size 5s., Large size 24s.

CURICONES is a P.A.T.A. line, showing 33½% profit.

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The Original and still the Best Remedy for
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TRADE TERMS (P.A.T.A.)

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Before the war leading Medical opinion at home and abroad agreed that even then a daily teaspoonful of Cod Liver Oil was needed to supplement the diets of infants, children, adolescents, and nursing and expectant mothers. The pre-war *Report of the Physiological Bases of Nutrition* 1936, setting down these conclusions and recommendations was endorsed by our own Ministry of Health and the British Medical Research Council.

Since the outbreak of the war the Ministry of Food have taken steps, with their Cod Liver Oil Distribution Scheme, to ensure that adequate supplies are to-day within the reach of young children.

But the Ministry of Food Scheme needs the active co-operation and

support of the Pharmaceutical Profession in recommending mothers to take advantage of these facilities and in getting them to appreciate the importance and value of Cod Liver Oil in pre-natal care and throughout childhood and adolescence.

For those outside the scheme, and also for those who prefer freedom of choice, SevenSeaS pure Cod Liver Oil is available in all chemists' shops throughout the country. There is no shortage of SevenSeaS, and its quality and purity remain unimpaired. The Pharmaceutical Profession is, however, reminded *that orders should be placed at least two or three months ahead of actual needs*, as the difficulties of packing and delivery are greater than ever before.

Issued by BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.,
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Announcement

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POINTMENT												
	4 oz. tube	6/8½		4/2½	+	8½	50/5	+	8/5
	40 gr. "	3/4½		2/1½	+	4½	25/3	+	4/3
	20 gr. "	1/10½		1/2	+	2½	14/-	+	2/4
LIQUID												
	40 c.c. bottle	..	..	..	3/4½		2/1½	+	4½	25/3	+	4/3
OPHTHALMO-ANTIPEOL												
	20 gr. Nozzled tube	..	..	..	3/4½		2/1½	+	4½	25/3	+	4/3
RHINO-ANTIPEOL												
	20 gr. Nozzled tube	..	..	..	2/9½		1/9	+	3½	21/-	+	3/6
ENTEROFAGOS (ORAL AND INJECTABLE)												
	Box of 50 ampoules	..	..	..	19/-		13/3½		None	159/7		None
	" 10 "	..	..	..	4/3		3/-		None	35/8		None
	" 5 "	..	..	..	2/6		1/9		None	21/-		None
DETENSYL												
	Tin of 500 tablets	..	..	..	39/-		24/-	+	4/-	288/-	+	48/-
	Tube of 50 "	4/5½		2/8½	+	5½	32/4	+	5/5
ST. JAMES' BALM												
	Tin of approx. 2½ ozs.	2/10		1/11	+	4	22/6	+	3/9
	" " 1 oz.	1/5		11	+	2	11/3	+	1/11
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*Stickers
& Showcards
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Available
but*

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BEST
USE
of
ANY
YOU
HAVE!**

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So remember: a continuous 'ASPRO' show will capitalise for your shop the vast 'ASPRO' goodwill created by our advertising campaigns—just as though you paid for the advertisements yourself.

NOTE.—We can still supply display material on request. If your present show is really worn out put it with your other salvage and please write us for new ones.

We have a limited supply of
Chemists' 2 oz. bags available at
7/6 per 1000

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Made in England by
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Simpkin's

GLUCOSE BARLEY SUGAR

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Whilst no promise can now be made, if there are still any of our datum period (January 1 to June 1, 1942) purchasers who did not claim and have not received ANY BARLEY SUGAR since JUNE 1, 1942, we will see what can be done, providing you let us know immediately on receiving this publication.

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INTERNATIONAL CHEM. CO. LD.

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The minimum for a direct order will be continued at £5 as long as possible. This amount can be made up either by parcel "A"; by any two of parcels "B" to "L"; or by any one of "B" to "L" plus a selection of our other preparations to make up to the required minimum.

Co-operation allowances : On orders of £5.....7½% £10.....10%

A	1 doz.	1/5 Bismag Powder	12	0
	1 1/2	" 2/10	12	0
	2	" 1/5 " Tablets	4	0
	1	" 2/10 " "	4	0
	1	" 1/9 Pineate Honey Cough-Syrup	13	9
	1	" 2/3 Limestone Phosphate	18	0
	1	" 1/5 Freezone Corn Remover	1	3
			£5	15 0
	Purchase Tax on all goods and on bonus			1 1 1
			£6	16 1

3 doz. 1/5 Bismag Powder	1	16	0
1 " 2/10 " " "	1	4	0
	<u>£3</u>	<u>0</u>	<u>0</u>
Purchase tax on above and on bonus		11	8
	<u>£3</u>	<u>11</u>	<u>8</u>

3 doz. 1/5 Bismag Tablets	1 16 0
1 " 2/10 " " "	1 4 0
	<hr/> £3 0 0
Purchase Tax on above and on	
bonus	11 8
	<hr/> £3 11 8

D	1 doz. 1/5 Bismag Powder .	12 0
	2 " 1/5 " Tablets .	1 4 0
	1 " 2/10 " " .	1 4 0
		<hr/> £3 0 0
	Purchase Tax on above and on bonus	11 8
		<hr/> £3 11 8

(E)	1 doz. 1/5 Bismag Powder	12 0
$\frac{1}{2}$	" 2/10 "	12 0
2	" 1/5 " Tablets	1 4 0
$\frac{1}{2}$	" 2/10 " "	12 0
		<hr/> £3 0 0
	Purchase Tax on above and	
	on bonus	11 8
		<hr/> £3 11 8

F	1 doz. 2/10 Bismag Powder .	1 4 0
	1½ „ 2/10 „ Tablets .	1 16 0
		<hr/> £3 0 0
	Purchase Tax on above and on bonus	11 8
		<hr/> £3 11 8

1½ doz. 1/5 Bismag Powder . . .	18 0
3 „ 1/5 „ Tablets . . .	1 16 0
	£2 14 0
Purchase Tax on above and on bonus	10 6
	£3 4 6

2 doz. 1/5	Freezone Corn		
	Remover	1	2 6
1 "	2/3 Limestone Phosphate	18	0
1 "	1/9 Pineate Honey Cough-		
	Syrup		13 9
		£2	14 3
Purchase Tax			9 0
		£3	3 3

K

4 doz. 1/9 Pineate Honey Cough-Syrup	2	15	0
Purchase Tax		9	2
	<u>£3</u>	<u>4</u>	<u>2</u>

6 doz. 1/5 Freezone Corn			
Remover	3	7	6
Purchase Tax		11	3
	£3	18	9

Above consumer prices include Purchase Tax

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(POSTERIOR LOBE)

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The Pleasant
LAXATIVE TABLETS

C.F. and P.A.T.A.

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WOMAN & HOME ★ WOMAN'S PICTORIAL
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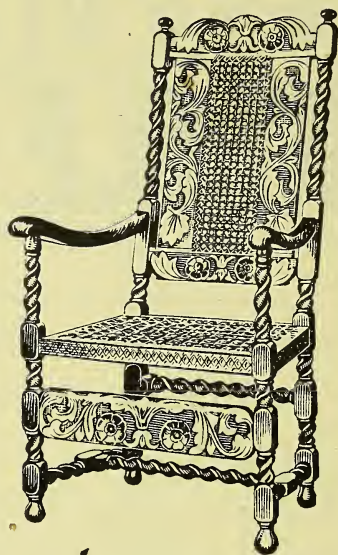
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The CHEMIST AND DRUGGIST SUPPLEMENT



This Supplement is inserted in every copy of the Chemist & Druggist

SEPTEMBER 19
1942

28, ESSEX STREET, LONDON, W.C.2

CLASSIFIED SUPPLEMENT ADVERTISEMENTS

All classified advertisements must be prepaid—those not accompanied by remittance will be held over pending payment. Advertisements received after **FIRST POST WEDNESDAY** of week of issue will not be inserted until the following week.

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None of the vacancies for women advertised in our columns relates to a woman between 18 and 30 inclusive unless such a woman: (a) has lived with her a child of hers under the age of 14; (b) is registered under the Blind Persons Act; or (c) has a Ministry of Labour permit to allow her to obtain employment by individual effort.

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ASSISTANT required (not liable, or ex-military service), either sex. Must be quite accurate Dispenser, with good experience of general Retail business. Reply, stating when disengaged salary, and references, to Arthur T. Gray, 15 High Street, Barnes, London, S.W.13.

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QUALIFIED Chemist, either male over 50 or otherwise exempt, or female over 40, required for drug counters in multiple stores, Manchester, Gateshead, Barnsley, Scunthorpe and South London areas. Write full details of age, experience, present salary to CDB/1125, London Office of this Paper.

TAYLORS BRITISH CHEMISTS have several vacancies for experienced unqualified Assistant male or female. Vacancies exist in Acton, Stepney, Holloway, Southall, etc. Apply to Staff Manager Taylors British Chemists, 70 Vauxhall Bridge Road, London, S.W.1. Telephone No.: Victoria 8422.

TAYLORS BRITISH CHEMISTS will also have vacancies for Qualified Managers, Assistants, male or female, in Birmingham, Midlands, Leeds, Houghton-le-Spring, Leice Oldham, Carlisle, Ramsbottom, Accrington, Northampton. Apply Retail Staff Dept., B. Hill, Leeds, 4.

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DD Travellers required to carry advertised lines to retail chemists in the London and other London areas. 413/292, London Office of this Paper.

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LL Wholesale Chemist's business required to purchase. Stock and Quotas unnecessary. 409/968, London Office of this Paper.

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